

Converting Colors

$Yxy(85.2019, 0.3130, 0.3284)$

Have a look what the booklet for
Yxy(85.2019, 0.3130, 0.3284)
contains.

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Color

Yxy(84.9186, 0.3128, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEDEE
RGB	238, 237, 238
RGB Percent	93%, 93%, 93%
CMY	0.0665, 0.0706, 0.0667
CMYK	0.00, 0.00, 0.00, 0.07
HSL	303°, 3%, 93%
HSV	303°, 0%, 93%
XYZ	80.9833, 84.9186, 92.9962
YIQ	237.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

Format	Color
R _Y B	238, 237, 238
Decimal	15658478
CIE Lab	93.85, 0.53, -0.36
CIE LCh	94, 0.642, 325.454
Yxy	84.9186, 0.3128, 0.3280
Android (android.graphics.Color)	4293848558 (0xFFEEEEDEE)
YUV	237.4130, 0.2894, 0.5148
Hunter-Lab	92.1513, -4.3974, 4.6723

Details

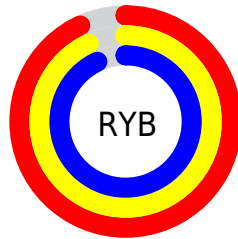
The Yxy color **84.9186, 0.3128, 0.3280** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.2925, 0.3126, 0.3300**, and the grayscale version is **85.0257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3702, 0.3128, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **71.9666, 0.3148, 0.3047**, and if you desaturate by 10%, it is **95.9510, 0.3112, 0.3446**.

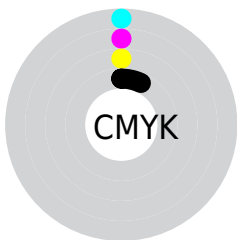
Distribution



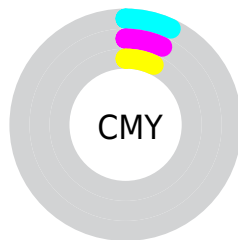
- Red (93%)
- Green (93%)
- Blue (93%)



- Red (93%)
- Yellow (93%)
- Blue (93%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)




- Cyan (7%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9186, 0.3128, 0.3280 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 84.9186, 0.3128, 0.3280 by changing the saturation by 10% instead.


 84.9186, 0.3128,
0.3280

 84.9186, 0.3128,
0.3280


511.3587, 0.3128,
0.3285

 63.7741, 0.3128,
0.3279


140.2594, 0.3128,
0.3282

 46.4678, 0.3128,
0.3278


175.2246, 0.3128,
0.3282

 32.6151, 0.3128,
0.3276

215.5654, 0.3128,
0.3283

 21.8317, 0.3128,
0.3274

261.6664, 0.3128,
0.3283

 13.7333, 0.3129,
0.3271

313.9117, 0.3128,
0.3284

 7.9354, 0.3129,
0.3268

372.6860, 0.3128,

 4.0537, 0.3129,

0.3284

0.3262

438.3735, 0.3128,
0.3284

■ 1.7036, 0.3130,
0.3253

■ 0.4260, 0.3134,
0.3196

■ 84.9186, 0.3128,
0.3280

■ 84.9186, 0.3128,
0.3280

■ 71.9666, 0.3148,
0.3047

■ 95.9510, 0.3112,
0.3446

■ 60.7695, 0.3170,
0.2808

■ 96.0268, 0.3105,
0.3433

■ 51.2548, 0.3194,
0.2570

■ 96.1032, 0.3098,
0.3421

■ 43.3407, 0.3219,
0.2341

■ 96.1802, 0.3090,
0.3408

36.9386, 0.3244,
0.2130

96.2577, 0.3083,
0.3395

31.9512, 0.3269,
0.1948

96.3357, 0.3076,
0.3382

28.2699, 0.3293,
0.1803

96.4143, 0.3069,
0.3370

25.7705, 0.3315,
0.1700

96.4934, 0.3062,
0.3357

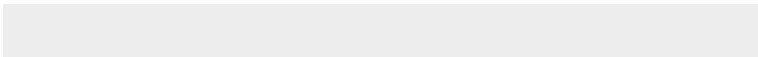
24.3048, 0.3334,
0.1641

96.5730, 0.3054,
0.3344

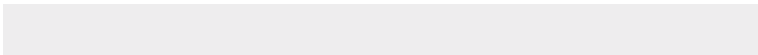
Harmonies

Analogous

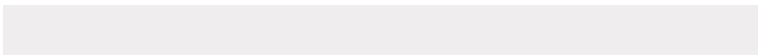
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9186, 0.3121, 0.3278



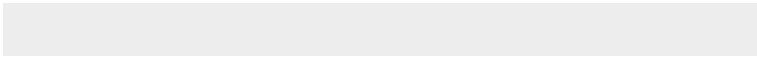
84.9186, 0.3128, 0.3280



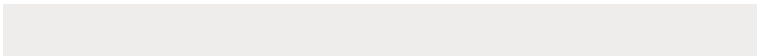
84.9186, 0.3135, 0.3285

Triad

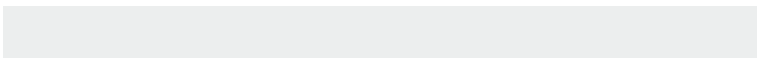
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9186, 0.3128, 0.3280



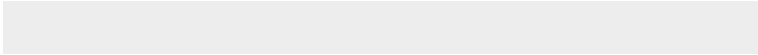
84.9186, 0.3139, 0.3302



84.9186, 0.3114, 0.3289

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



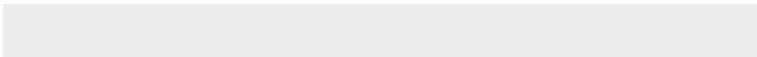
84.9186, 0.3128, 0.3280



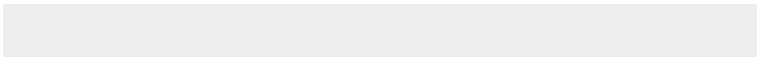
85.2925, 0.3126, 0.3300

Split Complementary

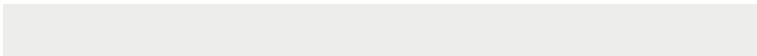
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9186, 0.3119, 0.3295



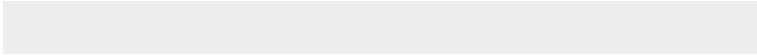
84.9186, 0.3128, 0.3280



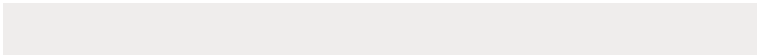
84.9186, 0.3134, 0.3303

Square

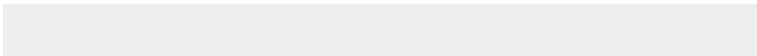
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



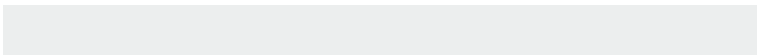
84.9186, 0.3128, 0.3280



84.9186, 0.3142, 0.3298



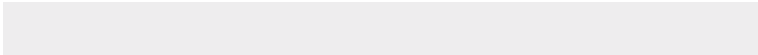
84.9186, 0.3127, 0.3300



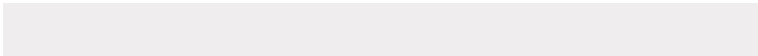
84.9186, 0.3113, 0.3283

Rectangle

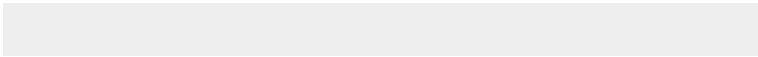
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



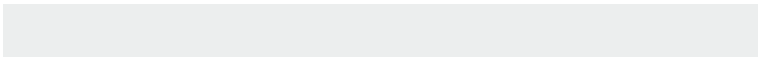
84.9186, 0.3128, 0.3280



84.9186, 0.3139, 0.3289



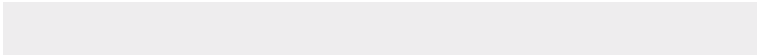
84.9186, 0.3127, 0.3300



84.9186, 0.3116, 0.3291

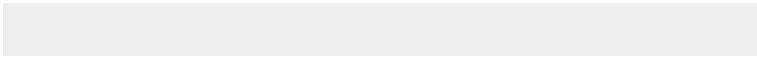
Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84.9222, 0.3128, 0.3280

100.0000, 0.3127, 0.3290



84.7549, 0.3121, 0.3279



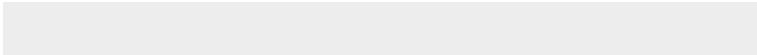
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

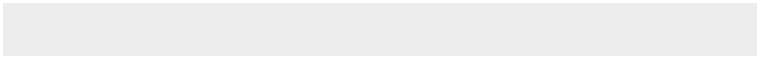
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9222, 0.3128, 0.3280



98.3750, 0.3129, 0.3267



84.8919, 0.3131, 0.3285



18.4441, 0.3129, 0.3268



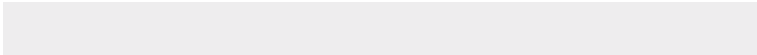
13.1872, 0.3348, 0.1618



1.1015, 0.3328, 0.1607

Inverse Universe

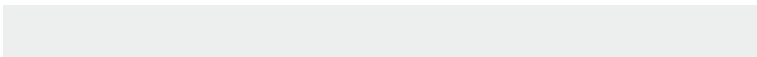
The Inverse Universe completely reimagines the original color for something new.



84.9222, 0.3128, 0.3280



98.3750, 0.3129, 0.3267



85.3227, 0.3123, 0.3295



18.4441, 0.3129, 0.3268



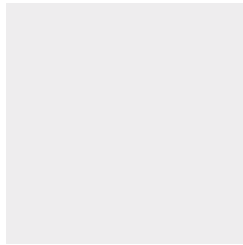
13.1872, 0.3348, 0.1618



1.1015, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 84.9186, 0.3128, 0.3280 looks on a white background.

Color Contrast Check

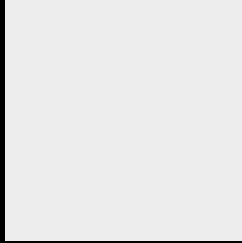
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 84.9186, 0.3128, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

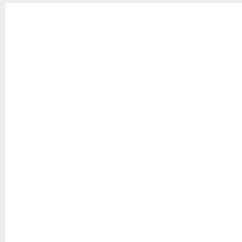
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9186, 0.3128, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 84.9186, 0.3128, 0.3280.

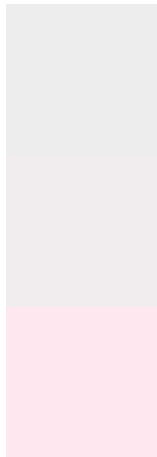


This preview shows how white text looks on a background with the Yxy color 84.9186, 0.3128, 0.3280.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

84.9186, 0.3128, 0.3280

Protanopia

84.8061, 0.3154, 0.3280

Deuteranopia

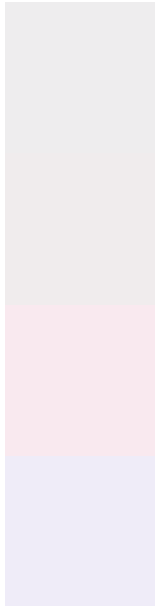
84.6438, 0.3240, 0.3212



Tritanopia

85.0338, 0.3050, 0.3111

Trichromacy



Original Color

84.9186, 0.3128, 0.3280

Protanomaly

84.6306, 0.3148, 0.3280

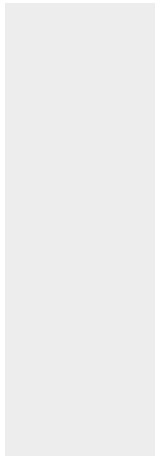
Deuteranomaly

84.6496, 0.3198, 0.3231

Tritanomaly

85.1189, 0.3073, 0.3170

Monochromacy



Original Color

84.9186, 0.3128, 0.3280

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6873, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9186, 0.3128, 0.3280 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(238, 237, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 237, 238)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(238, 237, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 238) }
```

Border

The CSS property to change the border of an element to Yxy 84.9186, 0.3128, 0.3280 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 237, 238) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(238, 237, 238) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(238, 237, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 238);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
238) }
```

Background

The CSS property to change the background color of an element to Yxy 84.9186, 0.3128, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 237, 238) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(238,  
237, 238) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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