

Converting Colors

Yxy(84.6278, 0.3035, 0.3222)

Have a look what the booklet for
Yxy(84.6278, 0.3035, 0.3222)
contains.

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Color

Yxy(84.5646, 0.3033, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	E6EEF5
RGB	230, 238, 245
RGB Percent	90%, 93%, 96%
CMY	0.0978, 0.0667, 0.0392
CMYK	0.06, 0.03, 0.00, 0.04
HSL	208°, 43%, 93%
HSV	208°, 6%, 96%
XYZ	79.7031, 84.5646, 98.5185
YIQ	236.4060, -7.0150, 0.4810

Conversions

Conversions Part 2

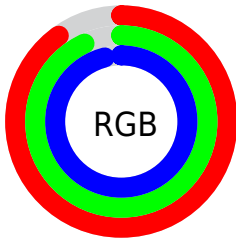
Format	Color
R _{YB}	230, 235, 245
Decimal	15134453
CIE Lab	93.70, -1.32, -4.31
CIE LCh	94, 4.510, 252.936
Yxy	84.5646, 0.3033, 0.3218
Android (android.graphics.Color)	4293324533 (0xFFE6EEF5)
YUV	236.4060, 4.2368, -5.6181
Hunter-Lab	91.9590, -6.2181, 0.8521

Details

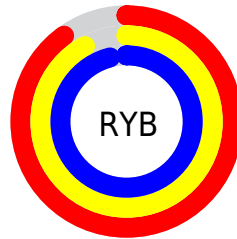
The Yxy color **84.5646, 0.3033, 0.3218** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.7457, 0.3224, 0.3361**, and the grayscale version is **84.1873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1287, 0.3006, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **74.3074, 0.2874, 0.3089**, and if you desaturate by 10%, it is **95.8270, 0.3186, 0.3333**.

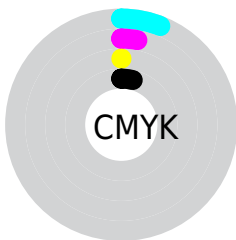
Distribution



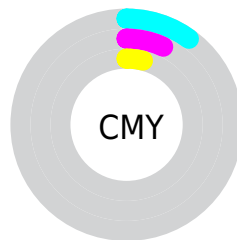
- Red (90%)
- Green (93%)
- Blue (96%)



- Red (90%)
- Yellow (92%)
- Blue (96%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (10%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5646, 0.3033, 0.3218 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 84.5646, 0.3033, 0.3218 by changing the saturation by 10% instead.

84.5646, 0.3033,
0.3218

84.5646, 0.3033,
0.3218

510.1862, 0.3075,
0.3251

63.4817, 0.3024,
0.3211

139.7647, 0.3047,
0.3229

46.2310, 0.3012,
0.3202

174.6507, 0.3053,
0.3234

32.4281, 0.2998,
0.3191

214.9064, 0.3058,
0.3237

21.6887, 0.2979,
0.3176

260.9164, 0.3062,
0.3241

13.6284, 0.2955,
0.3157

313.0650, 0.3066,
0.3244

7.8626, 0.2920,
0.3130

371.7366, 0.3070,

4.0072, 0.2869,

0.3246

0.3090

437.3155, 0.3073,
0.3249

■ 1.6776, 0.2784,
0.3022

■ 0.4091, 0.2357,
0.2705

■ 84.5646, 0.3033,
0.3218

■ 84.5646, 0.3033,
0.3218

■ 74.3074, 0.2874,
0.3089

■ 95.8270, 0.3186,
0.3333

■ 65.0130, 0.2712,
0.2946

■ 99.3735, 0.3185,
0.3386

■ 56.6516, 0.2550,
0.2790

■ 49.1875, 0.2391,
0.2622

■ 42.5822, 0.2241,
0.2445

■ 36.7938, 0.2104,
0.2261

■ 31.7757, 0.1985,
0.2076

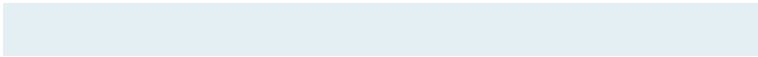
■ 27.4747, 0.1889,
0.1893

■ 23.8266, 0.1816,
0.1718

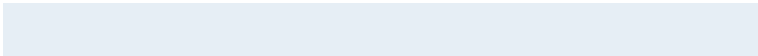
Harmonies

Analogous

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



84.5646, 0.3028, 0.3254



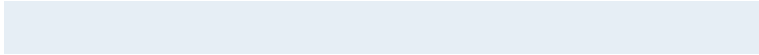
84.5646, 0.3033, 0.3218



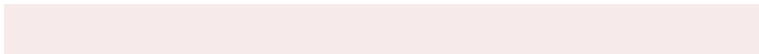
84.5646, 0.3063, 0.3202

Triad

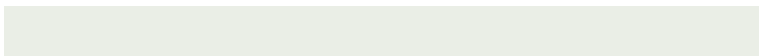
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5646, 0.3033, 0.3218



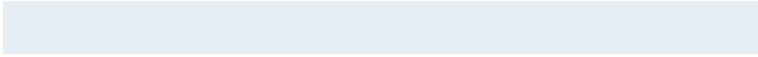
84.5646, 0.3205, 0.3280



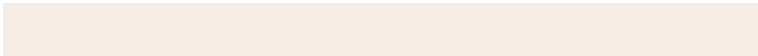
84.5646, 0.3144, 0.3373

Complementary

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



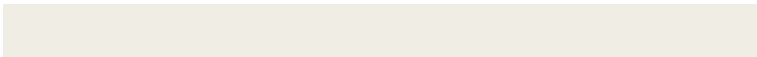
84.5646, 0.3033, 0.3218



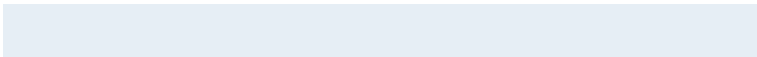
85.7457, 0.3224, 0.3361

Split Complementary

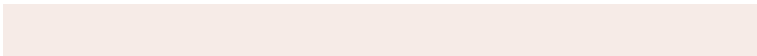
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5646, 0.3192, 0.3379



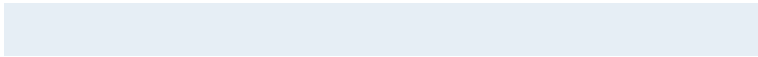
84.5646, 0.3033, 0.3218



84.5646, 0.3227, 0.3325

Square

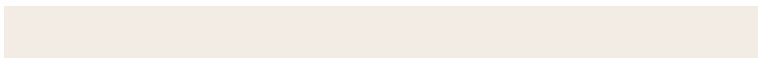
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5646, 0.3033, 0.3218



84.5646, 0.3162, 0.3238



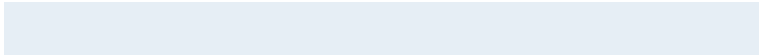
84.5646, 0.3222, 0.3362



84.5646, 0.3092, 0.3344

Rectangle

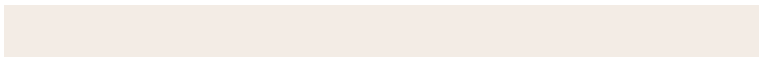
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5646, 0.3033, 0.3218



84.5646, 0.3093, 0.3204



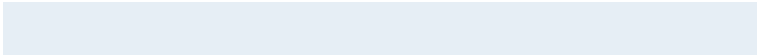
84.5646, 0.3222, 0.3362



84.5646, 0.3161, 0.3378

Sweetspot

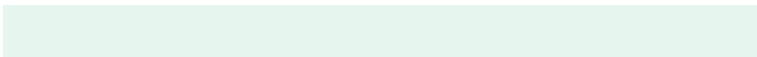
The Sweet Spot groups the original color and five complimentary colors.



84.5682, 0.3033, 0.3218



97.5270, 0.3097, 0.3267



88.2622, 0.3079, 0.3371



20.9008, 0.3098, 0.3268



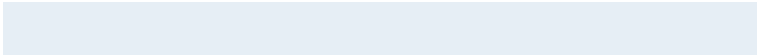
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.5682, 0.3033, 0.3218



91.5384, 0.3019, 0.3207



80.3270, 0.3034, 0.3141



17.8101, 0.3010, 0.3200



12.4252, 0.1800, 0.1680



1.2978, 0.1860, 0.1896

Inverse Universe

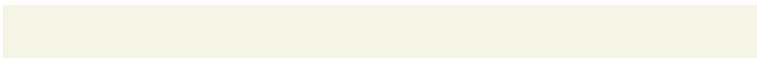
The Inverse Universe completely reimagines the original color for something new.



82.2111, 0.3179, 0.3210



88.6071, 0.3187, 0.3198



90.1437, 0.3218, 0.3435



17.1931, 0.3192, 0.3191



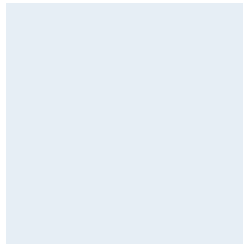
11.3537, 0.4832, 0.2435



1.0186, 0.4572, 0.2292

Previews

White Background



This preview shows how the Yxy color 84.5646, 0.3033, 0.3218 looks on a white background.

Color Contrast Check

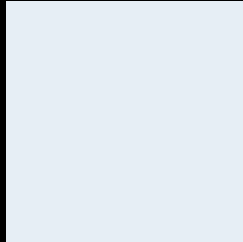
Large Text (above 18pt) WCAG AA × Fail

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 84.5646, 0.3033, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

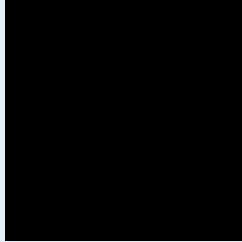
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

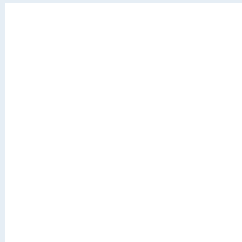
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5646, 0.3033, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 84.5646, 0.3033, 0.3218.

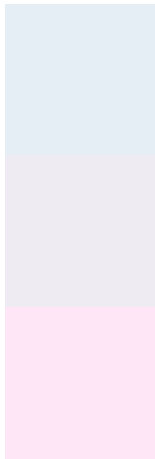


This preview shows how white text looks on a background with the Yxy color 84.5646, 0.3033, 0.3218.

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

84.5646, 0.3033, 0.3218

Protanopia

84.2384, 0.3104, 0.3209

Deuteranopia

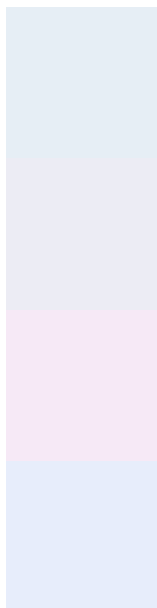
84.5690, 0.3189, 0.3125



Tritanopia

84.3667, 0.2987, 0.3098

Trichromacy



Original Color

84.5646, 0.3033, 0.3218

Protanomaly

84.3554, 0.3078, 0.3209

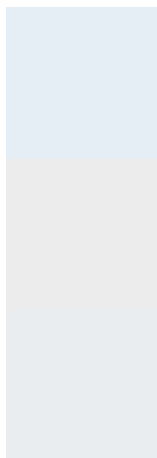
Deuteranomaly

84.5245, 0.3133, 0.3161

Tritanomaly

84.5223, 0.3004, 0.3148

Monochromacy



Original Color

84.5646, 0.3033, 0.3218

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.2928, 0.3095, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5646, 0.3033, 0.3218 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(230, 238, 245)` looks like.

```
.text, #text, p{  
    color:rgb(230, 238, 245)  
}
```

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(230, 238, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 238, 245) }
```

Border

The CSS property to change the border of an element to Yxy 84.5646, 0.3033, 0.3218 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(230, 238, 245) }
```

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

```
.border{ border-color:rgb(230, 238, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 238, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 238, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 238, 245);  
box-shadow:4px 4px 4px 4px rgb(230, 238,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5646, 0.3033, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 238, 245) }
```

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

```
.background{ background-color: rgb(230,  
238, 245) }
```

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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