

Converting Colors

$Y_{xy}(85.0591, 0.3205, 0.3357)$

Have a look what the booklet for
Yxy(85.0591, 0.3205, 0.3357)
contains.

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Color

Yxy(85.1588, 0.3204, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	F2EDE6
RGB	242, 237, 230
RGB Percent	95%, 93%, 90%
CMY	0.0511, 0.0705, 0.0980
CMYK	0.00, 0.02, 0.05, 0.05
HSL	35°, 31%, 93%
HSV	35°, 5%, 95%
XYZ	81.1808, 85.1588, 87.0338
YIQ	237.6970, 5.2270, -1.1170

Conversions

Conversions Part 2

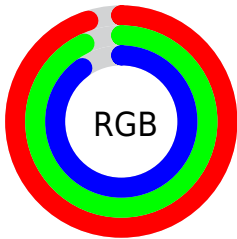
Format	Color
R _Y B	239, 242, 230
Decimal	15920614
CIE Lab	93.95, 0.47, 3.96
CIE LCh	94, 3.987, 83.261
Yxy	85.1588, 0.3204, 0.3361
Android (android.graphics.Color)	4294110694 (0xFF2EDE6)
YUV	237.6970, -3.7946, 3.7737
Hunter-Lab	92.2815, -4.4647, 8.6787

Details

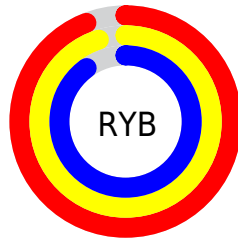
The Yxy color **85.1588, 0.3204, 0.3361** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.6431, 0.3051, 0.3218**, and the grayscale version is **85.2812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5820, 0.3219, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **78.2391, 0.3374, 0.3511**, and if you desaturate by 10%, it is **92.6007, 0.3053, 0.3220**.

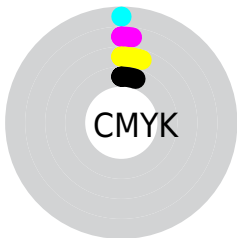
Distribution



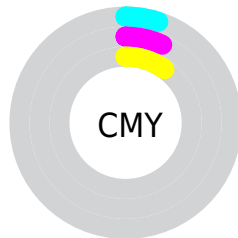
- Red (95%)
- Green (93%)
- Blue (90%)



- Red (94%)
- Yellow (95%)
- Blue (90%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (5%)





- Cyan (5%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1588, 0.3204, 0.3361 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 85.1588, 0.3204, 0.3361 by changing the saturation by 10% instead.

 85.1588, 0.3204,
0.3361

 85.1588, 0.3204,
0.3361

512.1534, 0.3169,
0.3329

 63.9726, 0.3212,
0.3368


140.5950, 0.3192,
0.3350

 46.6285, 0.3221,
0.3377

175.6138, 0.3188,
0.3346

 32.7421, 0.3233,
0.3388


216.0123, 0.3184,
0.3342

 21.9289, 0.3248,
0.3401

262.1748, 0.3180,
0.3339

 13.8047, 0.3268,
0.3420

314.4858, 0.3177,
0.3336

 7.9849, 0.3296,
0.3446

373.3296, 0.3174,

 4.0853, 0.3339,

0.3333

0.3484

439.0907, 0.3172,
0.3331

■ 1.7214, 0.3410,
0.3549

■ 0.4375, 0.4015,
0.4111

■ 85.1588, 0.3204,
0.3361

■ 85.1588, 0.3204,
0.3361

■ 78.2391, 0.3374,
0.3511

■ 92.6007, 0.3053,
0.3220

■ 71.8174, 0.3564,
0.3667

■ 97.6132, 0.3047,
0.3290

■ 65.8839, 0.3774,
0.3824

■ 60.4239, 0.4001,
0.3977

■ 55.4222, 0.4239,
0.4115

■ 50.8621, 0.4481,
0.4228

■ 46.7254, 0.4714,
0.4302

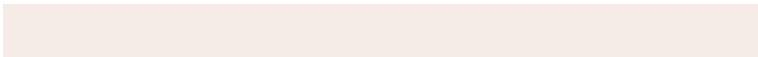
■ 42.9919, 0.4925,
0.4328

■ 39.6378, 0.5102,
0.4299

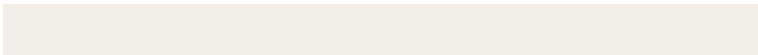
Harmonies

Analogous

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



85.1588, 0.3217, 0.3334



85.1588, 0.3204, 0.3361



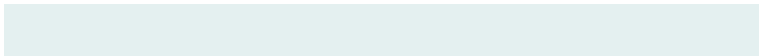
85.1588, 0.3171, 0.3369

Triad

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



85.1588, 0.3204, 0.3361



85.1588, 0.3050, 0.3284



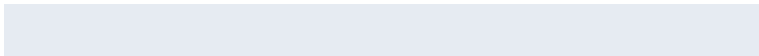
85.1588, 0.3128, 0.3226

Complementary

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



85.1588, 0.3204, 0.3361



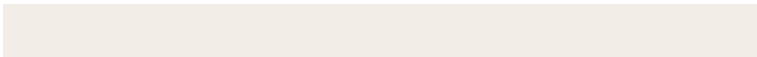
82.6431, 0.3051, 0.3218

Split Complementary

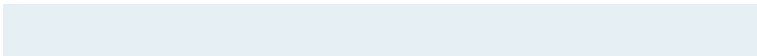
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1588, 0.3084, 0.3212



85.1588, 0.3204, 0.3361



85.1588, 0.3039, 0.3246

Square

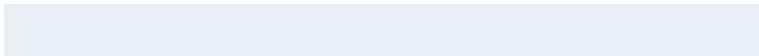
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



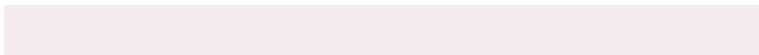
85.1588, 0.3204, 0.3361



85.1588, 0.3082, 0.3325



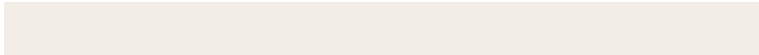
85.1588, 0.3051, 0.3219



85.1588, 0.3173, 0.3256

Rectangle

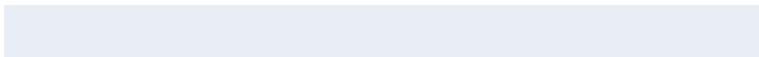
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



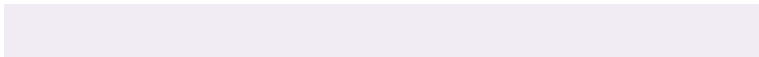
85.1588, 0.3204, 0.3361



85.1588, 0.3141, 0.3363



85.1588, 0.3051, 0.3219



85.1588, 0.3113, 0.3219

Sweetspot

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



85.1625, 0.3204, 0.3361



99.1631, 0.3142, 0.3304



81.4753, 0.3177, 0.3240



21.2338, 0.3142, 0.3304



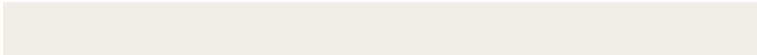
0.0000, 0.0000, 0.0000



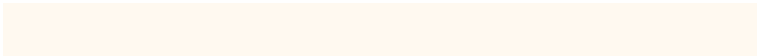
21.4041, 0.3127, 0.3290

Same Dimension

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



85.1625, 0.3204, 0.3361



95.0667, 0.3221, 0.3377



87.9024, 0.3194, 0.3411



17.7156, 0.3231, 0.3386



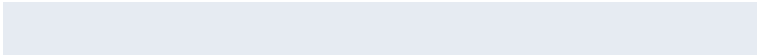
20.7321, 0.5160, 0.4285



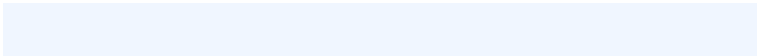
1.9206, 0.4998, 0.4413

Inverse Universe

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



82.6431, 0.3051, 0.3218



91.6367, 0.3035, 0.3202



80.0047, 0.3059, 0.3167



17.0106, 0.3025, 0.3192



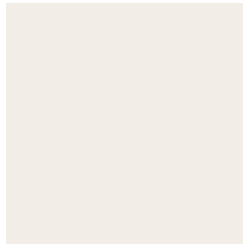
8.6456, 0.1697, 0.1309



0.9111, 0.1769, 0.1567

Previews

White Background



This preview shows how the Yxy color 85.1588, 0.3204, 0.3361 looks on a white background.

Color Contrast Check

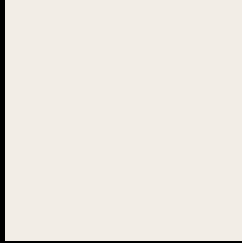
Large Text (above 18pt) WCAG AA × Fail

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 85.1588, 0.3204, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

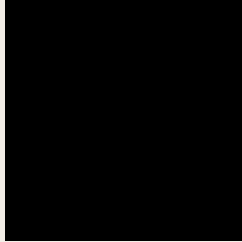
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

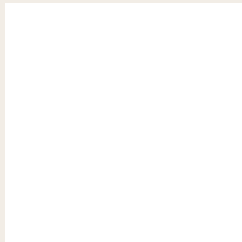
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1588, 0.3204, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 85.1588, 0.3204, 0.3361.

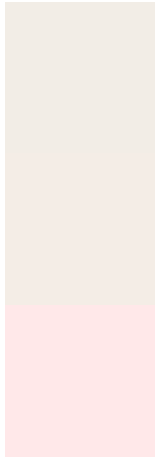


This preview shows how white text looks on a background with the Yxy color 85.1588, 0.3204, 0.3361.

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

85.1588, 0.3204, 0.3361

Protanopia

85.5146, 0.3218, 0.3361

Deuteranopia

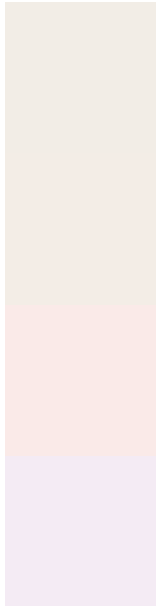
84.8564, 0.3279, 0.3281



Tritanopia

85.2864, 0.3089, 0.3112

Trichromacy



Original Color

85.1588, 0.3204, 0.3361

Protanomaly

85.3362, 0.3211, 0.3361

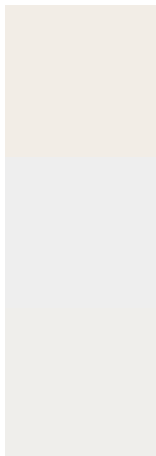
Deuteranomaly

84.9958, 0.3249, 0.3310

Tritanomaly

85.1814, 0.3131, 0.3200

Monochromacy



Original Color

85.1588, 0.3204, 0.3361

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.4980, 0.3152, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1588, 0.3204, 0.3361 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(242, 237, 230)` looks like.

```
.text, #text, p{  
    color:rgb(242, 237, 230)  
}
```

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(242, 237, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 237, 230) }
```

Border

The CSS property to change the border of an element to Yxy 85.1588, 0.3204, 0.3361 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(242, 237, 230) }
```

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

```
.border{ border-color:rgb(242, 237, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 237, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 237, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 237, 230);  
box-shadow:4px 4px 4px 4px rgb(242, 237,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1588, 0.3204, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 237, 230) }
```

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

```
.background{ background-color: rgb(242,  
237, 230) }
```

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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