

Converting Colors

Yxy(84.9053, 0.4180, 0.4956)

Have a look what the booklet for
Yxy(84.9053, 0.4180, 0.4956)
contains.

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Color

Yxy(84.8250, 0.4178, 0.4958)

Conversions

Conversions Part 1

Format	Color
Hex	F8F42A
RGB	248, 244, 42
RGB Percent	97%, 96%, 16%
CMY	0.0274, 0.0431, 0.8358
CMYK	0.00, 0.02, 0.83, 0.03
HSL	59°, 94%, 57%
HSV	59°, 83%, 97%
XYZ	71.4802, 84.8250, 14.7819
YIQ	222.1680, 67.2260, -61.9740

Conversions

Conversions Part 2

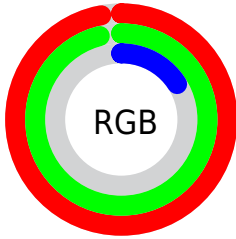
Format	Color
R_{YB}	46, 248, 42
Decimal	16315434
CIE _{Lab}	93.81, -18.61, 86.53
CIE _{LCh}	94, 88.512, 102.140
Yxy	84.8250, 0.4178, 0.4958
Android (android.graphics.Color)	4294505514 (0xFFFF8F42A)
YUV	222.1680, -88.8228, 22.6547
Hunter-Lab	92.1005, -22.6400, 54.9544

Details

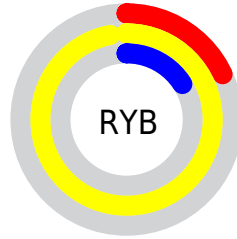
The Yxy color **84.8250, 0.4178, 0.4958** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.2105, 0.1603, 0.0783**, and the grayscale version is **73.7691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **46.5312, 0.4184, 0.5060** is the 20% darker color. If you saturate the color by 10%, you get **84.4141, 0.4215, 0.5009**, and if you desaturate by 10%, it is **85.3542, 0.4115, 0.4864**.

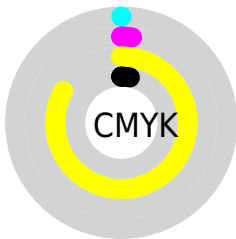
Distribution



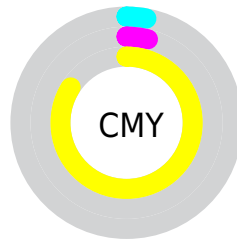
- Red (97%)
- Green (96%)
- Blue (16%)



- Red (18%)
- Yellow (97%)
- Blue (16%)



- Cyan (0%)
- Magenta (2%)
- Yellow (83%)
- Black (3%)




- Cyan (3%)
- Magenta (4%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8250, 0.4178, 0.4958 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 84.8250, 0.4178, 0.4958 by changing the saturation by 10% instead.


 84.8250, 0.4178,
0.4958

 84.8250, 0.4178,
0.4958


511.0488, 0.3792,
0.4260

 63.6968, 0.4233,
0.5086


 140.1286, 0.4070,
0.4739

 46.4051, 0.4285,
0.5227


 175.0729, 0.4020,
0.4647


 32.5656, 0.4325,
0.5376


 215.3912, 0.3974,
0.4565

 21.7939, 0.4348,
0.5541

 261.4681, 0.3931,
0.4491

 13.7055, 0.4315,
0.5685

 313.6879, 0.3892,
0.4424

 7.9162, 0.4200,
0.5800

372.4351, 0.3856,

 4.0413, 0.4024,

0.4364

0.5976

438.0939, 0.3823,
0.4310

■ 1.6967, 0.3728,
0.6272

■ 0.4215, 0.0000,
1.0000

■ 84.8250, 0.4178,
0.4958

■ 84.8250, 0.4178,
0.4958

■ 84.4141, 0.4215,
0.5009

■ 85.3542, 0.4115,
0.4864


■ 84.1748, 0.4228,
0.5025


■ 86.0072, 0.4025,
0.4725


■ 86.8027, 0.3912,
0.4547


■ 87.7530, 0.3779,
0.4337

 88.8694, 0.3633,
0.4104

 90.1620, 0.3479,
0.3858

 91.6402, 0.3325,
0.3609

 93.3125, 0.3173,
0.3365

 94.5215, 0.3086,
0.3226

Harmonies

Analogous

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



84.8250, 0.4865, 0.4330



84.8250, 0.4178, 0.4958



84.8250, 0.3278, 0.5156

Triad

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



84.8250, 0.4178, 0.4958



84.8250, 0.1490, 0.2453



84.8250, 0.3716, 0.2392

Complementary

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



84.8250, 0.4178, 0.4958



9.2105, 0.1603, 0.0783

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.



84.8250, 0.2702, 0.1994



84.8250, 0.4178, 0.4958



84.8250, 0.1567, 0.1968

Square

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



84.8250, 0.4178, 0.4958



84.8250, 0.1751, 0.3377



84.8250, 0.1963, 0.1840



84.8250, 0.4666, 0.2966

Rectangle

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



84.8250, 0.4178, 0.4958



84.8250, 0.2667, 0.4825



84.8250, 0.1963, 0.1840



84.8250, 0.3362, 0.2235

Sweetspot

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



84.8290, 0.4178, 0.4958



95.7655, 0.3509, 0.3906



21.8236, 0.5993, 0.3263



20.3921, 0.3563, 0.3993



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.



84.8290, 0.4178, 0.4958



89.6619, 0.4228, 0.5025



73.9627, 0.3478, 0.5485



20.1295, 0.3269, 0.3520



45.4937, 0.4227, 0.5025



4.2314, 0.4223, 0.5029

Inverse Universe

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



9.2105, 0.1603, 0.0783



7.3275, 0.1502, 0.0608



13.8326, 0.2139, 0.1047



16.6969, 0.2979, 0.3049



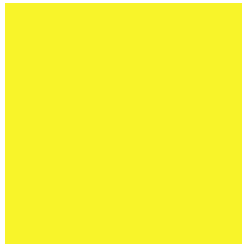
3.7406, 0.1503, 0.0612



0.3649, 0.1511, 0.0641

Previews

White Background



This preview shows how the Yxy color 84.8250, 0.4178, 0.4958 looks on a white background.

Color Contrast Check

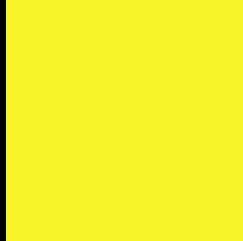
Large Text (above 18pt) WCAG AA × Fail

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 84.8250, 0.4178, 0.4958 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 84.8250, 0.4178, 0.4958

Background



This preview shows how black text looks on a background with the Yxy color 84.8250, 0.4178, 0.4958.



This preview shows how white text looks on a background with the Yxy color 84.8250, 0.4178, 0.4958.

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

84.8250, 0.4178, 0.4958

Protanopia

84.4016, 0.3743, 0.4053

Deuteranopia

84.6106, 0.3448, 0.3561



Tritanopia

84.2644, 0.3222, 0.3173

Trichromacy



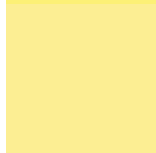
Original Color

84.8250, 0.4178, 0.4958



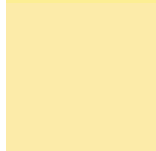
Protanomaly

84.3236, 0.3959, 0.4476



Deuteranomaly

83.9511, 0.3804, 0.4203



Tritanomaly

82.9767, 0.3676, 0.3961

Monochromacy



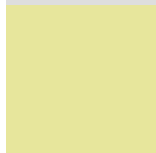
Original Color

84.8250, 0.4178, 0.4958



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.9829, 0.3619, 0.4089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8250, 0.4178, 0.4958 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(248, 244, 42)` looks like.

```
.text, #text, p{  
    color:rgb(248, 244, 42)  
}
```

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(248, 244, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 244, 42) }
```

Border

The CSS property to change the border of an element to Yxy 84.8250, 0.4178, 0.4958 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(248, 244, 42) }
```

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

```
.border{ border-color:rgb(248, 244, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 244, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 244, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 244, 42);  
box-shadow:4px 4px 4px 4px rgb(248, 244,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8250, 0.4178, 0.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 244, 42) }
```

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

```
.background{ background-color: rgb(248,  
244, 42) }
```

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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