

Converting Colors

$Y_{xy}(85.1075, 0.4164, 0.5076)$

Have a look what the booklet for
Yxy(85.1075, 0.4164, 0.5076)
contains.

Yxy(84.7888, 0.4165, 0.5075)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.7888, 0.4165, 0.5075)

Conversions

Conversions Part 1

Format	Color
Hex	F2F600
RGB	242, 246, 0
RGB Percent	95%, 96%, 0%
CMY	0.0508, 0.0353, 1.0000
CMYK	0.02, 0.00, 1.00, 0.04
HSL	61°, 100%, 48%
HSV	61°, 100%, 96%
XYZ	69.5853, 84.7888, 12.6974
YIQ	216.7600, 76.5820, -77.3540

Conversions

Conversions Part 2

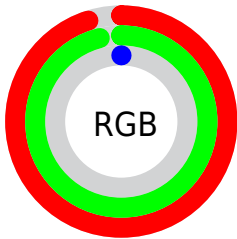
Format	Color
RYB	0, 246, 4
Decimal	15922688
CIELab	93.79, -22.60, 91.58
CIELCh	94, 94.332, 103.863
Yxy	84.7888, 0.4165, 0.5075
Android (android.graphics.Color)	4294112768 (0xFFFF2F600)
YUV	216.7600, -106.8627, 22.1355
Hunter-Lab	92.0808, -26.2494, 56.2808

Details

The Yxy color **84.7888, 0.4165, 0.5075** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **6.6791, 0.1504, 0.0602**, and the grayscale version is **69.9292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **46.6507, 0.4111, 0.5118** is the 20% darker color. If you saturate the color by 10%, you get **84.7927, 0.4165, 0.5075**, and if you desaturate by 10%, it is **84.9312, 0.4150, 0.5042**.

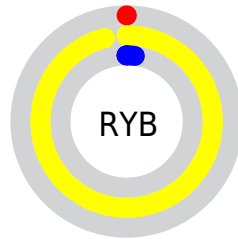
Distribution



Red (95%)

Green (96%)

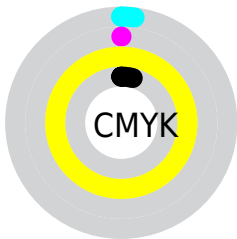
Blue (0%)



Red (0%)

Yellow (96%)

Blue (2%)

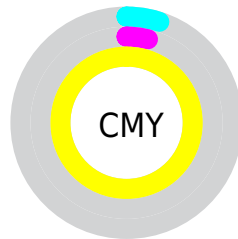


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (5%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7888, 0.4165, 0.5075 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 84.7888, 0.4165, 0.5075 by changing the saturation by 10% instead.


 84.7888, 0.4165,
0.5075

 84.7888, 0.4165,
0.5075


510.9290, 0.3802,
0.4332


 63.6669, 0.4211,
0.5209


 140.0781, 0.4068,
0.4844


 46.3809, 0.4249,
0.5354


 175.0142, 0.4022,
0.4746


 32.5465, 0.4269,
0.5507


 215.3239, 0.3979,
0.4658

 21.7793, 0.4283,
0.5696

 261.3915, 0.3938,
0.4579

 13.6948, 0.4192,
0.5808

 313.6014, 0.3900,
0.4508

 7.9087, 0.4050,
0.5950


 372.3380, 0.3864,


 4.0366, 0.3835,


0.4443


0.6165


437.9857, 0.3832,
0.4385


 1.6941, 0.3472,
0.6528


 0.4198, 0.0000,
1.0000


 84.7888, 0.4165,
0.5075


 84.7888, 0.4165,
0.5075

 84.7927, 0.4165,
0.5075

 84.9312, 0.4150,
0.5042

 85.1563, 0.4113,
0.4973

 85.4949, 0.4049,
0.4860

 85.9630, 0.3959,
0.4704

■ 86.5742, 0.3847,
0.4510

■ 87.3403, 0.3716,
0.4286

■ 88.2720, 0.3573,
0.4043

■ 89.3788, 0.3424,
0.3790

■ 90.6697, 0.3274,
0.3537

Harmonies

Analogous

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



84.7888, 0.4919, 0.4402



84.7888, 0.4165, 0.5075



84.7888, 0.3211, 0.5277

Triad

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



84.7888, 0.4165, 0.5075



84.7888, 0.1405, 0.2354



84.7888, 0.3815, 0.2373

Complementary

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



84.7888, 0.4165, 0.5075



6.6791, 0.1504, 0.0602

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.



84.7888, 0.2728, 0.1947



84.7888, 0.4165, 0.5075



84.7888, 0.1505, 0.1879

Square

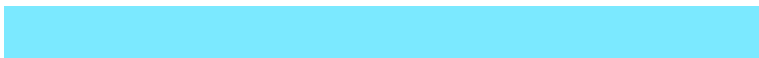
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7888, 0.4165, 0.5075



84.7888, 0.1648, 0.3305



84.7888, 0.1935, 0.1770



84.7888, 0.4810, 0.2977

Rectangle

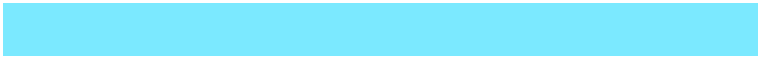
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7888, 0.4165, 0.5075



84.7888, 0.2574, 0.4893



84.7888, 0.1935, 0.1770



84.7888, 0.3436, 0.2206

Sweetspot

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



84.7928, 0.4165, 0.5075



95.7823, 0.3574, 0.4044



19.5918, 0.6401, 0.3300



20.4052, 0.3635, 0.4149



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.



84.7928, 0.4165, 0.5075



92.0120, 0.4165, 0.5075



70.1185, 0.3354, 0.5719



19.2992, 0.3266, 0.3524



45.2682, 0.4165, 0.5075



3.9829, 0.4169, 0.5072

Inverse Universe

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



6.6791, 0.1504, 0.0602



7.2464, 0.1503, 0.0602



10.8645, 0.2006, 0.0879



15.9394, 0.2982, 0.3045



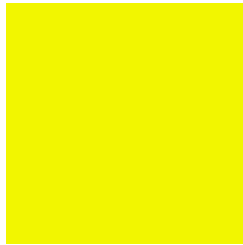
3.5708, 0.1505, 0.0603



0.3182, 0.1517, 0.0610

Previews

White Background



This preview shows how the Yxy color 84.7888, 0.4165, 0.5075 looks on a white background.

Color Contrast Check

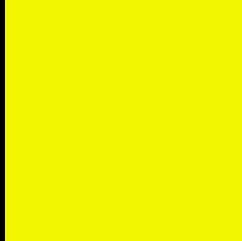
Large Text (above 18pt) WCAG AA × Fail

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 84.7888, 0.4165, 0.5075 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 84.7888, 0.4165, 0.5075

Background



This preview shows how black text looks on a background with the Yxy color 84.7888, 0.4165, 0.5075.

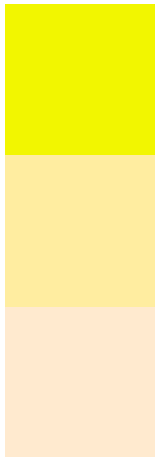


This preview shows how white text looks on a background with the Yxy color 84.7888, 0.4165, 0.5075.

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

84.7888, 0.4165, 0.5075

Protanopia

84.3664, 0.3750, 0.4062

Deuteranopia

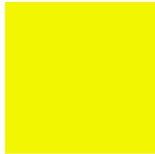
84.6106, 0.3448, 0.3561



Tritanopia

84.4462, 0.3202, 0.3144

Trichromacy



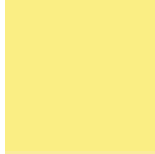
Original Color

84.7888, 0.4165, 0.5075



Protanomaly

83.6035, 0.4022, 0.4608



Deuteranomaly

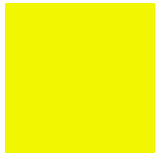
83.1390, 0.3877, 0.4347



Tritanomaly

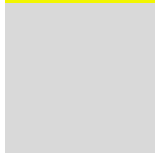
82.7152, 0.3741, 0.4103

Monochromacy



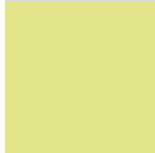
Original Color

84.7888, 0.4165, 0.5075



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.4905, 0.3702, 0.4271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7888, 0.4165, 0.5075 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, 246, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 246, 0)  
}
```

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, 246, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 246, 0) }
```

Border

The CSS property to change the border of an element to Yxy 84.7888, 0.4165, 0.5075 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, 246, 0) }
```

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

```
.border{ border-color:rgb(242, 246, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 246, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 246, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 246, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 246,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7888, 0.4165, 0.5075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 246, 0) }
```

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

```
.background{ background-color: rgb(242,  
246, 0) }
```

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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