

Converting Colors

$Yxy(88.1815, 0.4080, 0.5071)$

Have a look what the booklet for
Yxy(88.1815, 0.4080, 0.5071)
contains.

Yxy(88.2616, 0.4080, 0.5070)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(88.2616, 0.4080, 0.5070)

Conversions

Conversions Part 1

Format	Color
Hex	F0FC22
RGB	240, 252, 34
RGB Percent	94%, 99%, 13%
CMY	0.0589, 0.0117, 0.8671
CMYK	0.05, 0.00, 0.87, 0.01
HSL	63°, 97%, 56%
HSV	63°, 87%, 99%
XYZ	71.0271, 88.2616, 14.7973
YIQ	223.5600, 62.8260, -70.3420

Conversions

Conversions Part 2

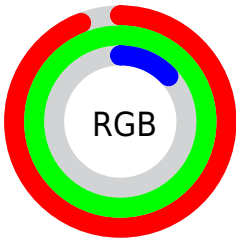
Format	Color
R _Y B	34, 252, 46
Decimal	15793186
CIE Lab	95.27, -25.89, 89.02
CIE LCh	95, 92.707, 106.213
Yxy	88.2616, 0.4080, 0.5070
Android (android.graphics.Color)	4293983266 (0xFFFF0FC22)
YUV	223.5600, -93.4531, 14.4179
Hunter-Lab	93.9476, -29.4573, 56.4248

Details

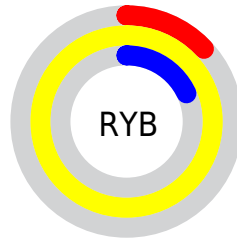
The Yxy color **88.2616, 0.4080, 0.5070** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **8.7469, 0.1595, 0.0724**, and the grayscale version is **74.8490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8206, 0.3961, 0.4668**, and **49.0636, 0.4041, 0.5173** is the 20% darker color. If you saturate the color by 10%, you get **87.9274, 0.4094, 0.5119**, and if you desaturate by 10%, it is **88.7119, 0.4041, 0.4978**.

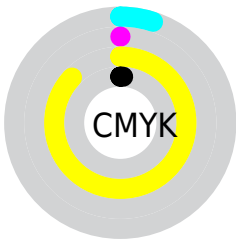
Distribution



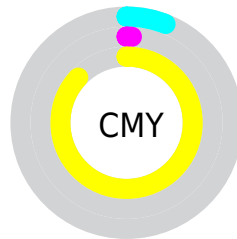
- Red (94%)
- Green (99%)
- Blue (13%)



- Red (13%)
- Yellow (99%)
- Blue (18%)



- Cyan (5%)
- Magenta (0%)
- Yellow (87%)
- Black (1%)





- Cyan (6%)
- Magenta (1%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.2616, 0.4080, 0.5070 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 88.2616, 0.4080, 0.5070 by changing the saturation by 10% instead.


 88.2616, 0.4080,
0.5070

 88.2616, 0.4080,
0.5070

522.3595, 0.3748,
0.4319


 66.5397, 0.4122,
0.5210


 144.9213, 0.3992,
0.4833

 48.7107, 0.4157,
0.5364

 180.6279, 0.3950,
0.4734

 34.3900, 0.4176,
0.5532


 221.7650, 0.3910,
0.4645

 23.1934, 0.4174,
0.5718

 268.7167, 0.3872,
0.4566

 14.7364, 0.4109,
0.5891

 321.8677, 0.3838,
0.4494

 8.6346, 0.3954,
0.6046


381.6022, 0.3806,


 4.5036, 0.3723,


0.4430


0.6277


448.3047, 0.3776,
0.4372


 1.9591, 0.3339,
0.6661


 0.5835, 0.0000,
1.0000


 88.2616, 0.4080,
0.5070


 88.2616, 0.4080,
0.5070


 87.9274, 0.4094,
0.5119


 88.7119, 0.4041,
0.4978


 87.8250, 0.4095,
0.5130


 89.2862, 0.3975,
0.4842


 90.0045, 0.3884,
0.4663

 90.8804, 0.3772,
0.4451

 91.9261, 0.3643,
0.4213

 93.1524, 0.3504,
0.3961

 94.5692, 0.3361,
0.3704

 96.1859, 0.3219,
0.3451

 97.6376, 0.3113,
0.3261

Harmonies

Analogous

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



88.2616, 0.4834, 0.4443



88.2616, 0.4080, 0.5070



88.2616, 0.3143, 0.5190

Triad

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



88.2616, 0.4080, 0.5070



88.2616, 0.1440, 0.2331



88.2616, 0.3882, 0.2438

Complementary

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



88.2616, 0.4080, 0.5070



8.7469, 0.1595, 0.0724

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.



88.2616, 0.2817, 0.2003



88.2616, 0.4080, 0.5070



88.2616, 0.1563, 0.1894

Square

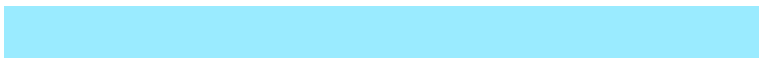
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.2616, 0.4080, 0.5070



88.2616, 0.1653, 0.3221



88.2616, 0.2013, 0.1808



88.2616, 0.4816, 0.3041

Rectangle

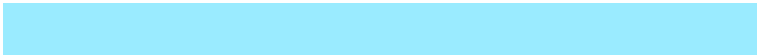
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.2616, 0.4080, 0.5070



88.2616, 0.2526, 0.4766



88.2616, 0.2013, 0.1808



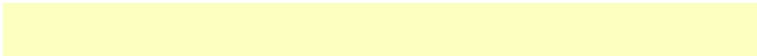
88.2616, 0.3516, 0.2269

Sweetspot

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



88.2657, 0.4080, 0.5070



95.7537, 0.3497, 0.3948



22.6750, 0.6106, 0.3347



20.3964, 0.3546, 0.4036



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.



88.2657, 0.4080, 0.5070



90.2077, 0.4095, 0.5130



74.6543, 0.3359, 0.5620



20.1391, 0.3260, 0.3525



45.7650, 0.4097, 0.5129



4.2531, 0.4109, 0.5119

Inverse Universe

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



8.7469, 0.1595, 0.0724



7.3140, 0.1512, 0.0606



15.0240, 0.2249, 0.1075



16.6887, 0.2987, 0.3045



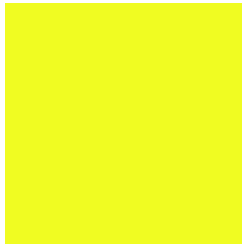
3.7283, 0.1516, 0.0609



0.3609, 0.1557, 0.0631

Previews

White Background



This preview shows how the Yxy color 88.2616, 0.4080, 0.5070 looks on a white background.

Color Contrast Check

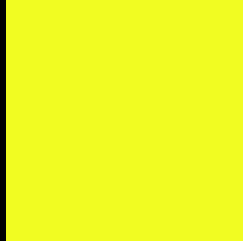
Large Text (above 18pt) WCAG AA × Fail

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 88.2616, 0.4080, 0.5070 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 88.2616, 0.4080, 0.5070

Background



This preview shows how black text looks on a background with the Yxy color 88.2616, 0.4080, 0.5070.

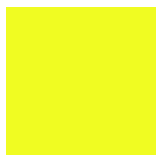


This preview shows how white text looks on a background with the Yxy color 88.2616, 0.4080, 0.5070.

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



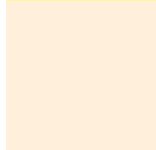
Original Color

88.2616, 0.4080, 0.5070



Protanopia

87.7158, 0.3571, 0.3841



Deuteranopia

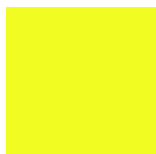
88.1075, 0.3361, 0.3489



Tritanopia

87.6417, 0.3161, 0.3135

Trichromacy



Original Color

88.2616, 0.4080, 0.5070



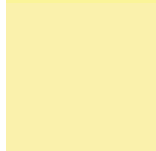
Protanomaly

87.2675, 0.3852, 0.4413



Deuteranomaly

87.2924, 0.3737, 0.4213



Tritanomaly

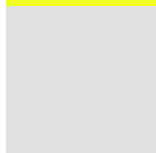
86.2131, 0.3625, 0.3990

Monochromacy



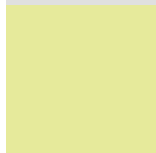
Original Color

88.2616, 0.4080, 0.5070



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

78.0352, 0.3606, 0.4140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.2616, 0.4080, 0.5070 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(240, 252, 34)` looks like.

```
.text, #text, p{  
    color:rgb(240, 252, 34)  
}
```

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(240, 252, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 252, 34) }
```

Border

The CSS property to change the border of an element to Yxy 88.2616, 0.4080, 0.5070 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(240, 252, 34) }
```

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

```
.border{ border-color:rgb(240, 252, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 252, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 252, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 252, 34);  
box-shadow:4px 4px 4px 4px rgb(240, 252,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 88.2616, 0.4080, 0.5070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 252, 34) }
```

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

```
.background{ background-color: rgb(240,  
252, 34) }
```

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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