

Converting Colors

Yxy(80.2418, 0.3813, 0.5096)

Have a look what the booklet for
Yxy(80.2418, 0.3813, 0.5096)
contains.

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Color

Yxy(80.1571, 0.3811, 0.5098)

Conversions

Conversions Part 1

Format	Color
Hex	CFF740
RGB	207, 247, 64
RGB Percent	81%, 97%, 25%
CMY	0.1882, 0.0314, 0.7493
CMYK	0.16, 0.00, 0.74, 0.03
HSL	73°, 92%, 61%
HSV	73°, 74%, 97%
XYZ	59.9213, 80.1571, 17.1541
YIQ	214.1780, 34.9030, -65.3930

Conversions

Conversions Part 2

Format	Color
RYB	64, 247, 104
Decimal	13629248
CIELab	91.76, -35.73, 77.77
CIELCh	92, 85.583, 114.678
Yxy	80.1571, 0.3811, 0.5098
Android (android.graphics.Color)	4291819328 (0xFFCFF740)
YUV	214.1780, -74.0378, -6.2951
Hunter-Lab	89.5305, -37.2113, 51.3114

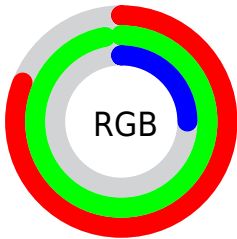
Details

The Yxy color **80.1571, 0.3811, 0.5098** is a light color, and the websafe version is hex **CCFF33**.

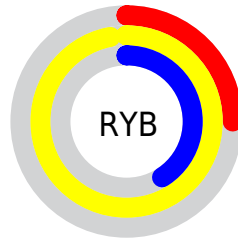
The color can be described as light washed yellow. A complement of this color would be **13.3138, 0.1916, 0.1049**, and the grayscale version is **67.8624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2352, 0.3879, 0.4533**, and **43.5575, 0.3799, 0.5365** is the 20% darker color. If you saturate the color by 10%, you get **79.1754, 0.3828, 0.5235**, and if you desaturate by 10%, it is **81.2969, 0.3768, 0.4915**.

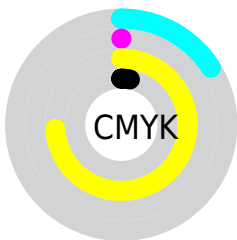
Distribution



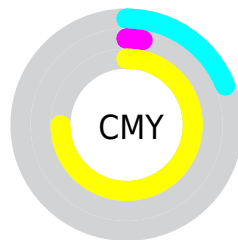
- Red (81%)
- Green (97%)
- Blue (25%)



- Red (25%)
- Yellow (97%)
- Blue (41%)



- Cyan (16%)
- Magenta (0%)
- Yellow (74%)
- Black (3%)





- Cyan (19%)
- Magenta (3%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1571, 0.3811, 0.5098 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 80.1571, 0.3811, 0.5098 by changing the saturation by 10% instead.


 80.1571, 0.3811,
0.5098

 80.1571, 0.3811,
0.5098


495.4621, 0.3577,
0.4280


 59.8476, 0.3837,
0.5267


 133.5866, 0.3751,
0.4826


 43.2958, 0.3855,
0.5462

 167.4754, 0.3721,
0.4716


 30.1173, 0.3854,
0.5687


 206.6594, 0.3693,
0.4620

 19.9276, 0.3818,
0.5943

 251.5231, 0.3666,
0.4535

 12.3425, 0.3739,
0.6261

 302.4509, 0.3642,
0.4460

 6.9774, 0.3491,
0.6509


359.8270, 0.3618,


 3.4479, 0.3112,


0.4393


0.6888


424.0359, 0.3597,
0.4334


 1.3698, 0.2102,
0.7898


 0.1943, 0.0000,
1.0000


 80.1571, 0.3811,
0.5098

 80.1571, 0.3811,
0.5098


 79.1754, 0.3828,
0.5235

 81.2969, 0.3768,
0.4915


 78.3229, 0.3819,
0.5325

 82.5989, 0.3701,
0.4694


 77.8677, 0.3805,
0.5361

 84.0795, 0.3614,
0.4446


 85.7500, 0.3513,
0.4182

 87.6209, 0.3402,
0.3912

 89.7018, 0.3288,
0.3646

 92.0014, 0.3173,
0.3391

 94.0996, 0.3100,
0.3213

 95.0028, 0.3131,
0.3214

Harmonies

Analogous

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



80.1571, 0.4603, 0.4602



80.1571, 0.3811, 0.5098



80.1571, 0.2896, 0.4968

Triad

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



80.1571, 0.3811, 0.5098



80.1571, 0.1502, 0.2215



80.1571, 0.4135, 0.2625

Complementary

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



80.1571, 0.3811, 0.5098



13.3138, 0.1916, 0.1049

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.



80.1571, 0.3106, 0.2147



80.1571, 0.3811, 0.5098



80.1571, 0.1709, 0.1893

Square

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



80.1571, 0.3811, 0.5098



80.1571, 0.1616, 0.2946



80.1571, 0.2242, 0.1888



80.1571, 0.4901, 0.3240

Rectangle

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



80.1571, 0.3811, 0.5098



80.1571, 0.2332, 0.4413



80.1571, 0.2242, 0.1888



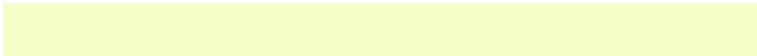
80.1571, 0.3797, 0.2445

Sweetspot

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



80.1607, 0.3811, 0.5098



94.6487, 0.3379, 0.3856



29.9649, 0.5360, 0.3634



20.1344, 0.3410, 0.3929



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.



80.1607, 0.3811, 0.5098



84.6450, 0.3826, 0.5286



70.5921, 0.3225, 0.5505



19.1203, 0.3235, 0.3526



41.2458, 0.3812, 0.5356



3.6692, 0.3862, 0.5316

Inverse Universe

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



13.3138, 0.1916, 0.1049



9.6564, 0.1705, 0.0763



21.9955, 0.2686, 0.1435



16.1012, 0.3013, 0.3048



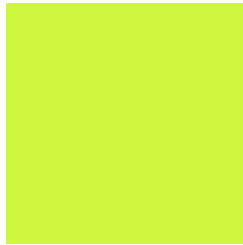
4.0159, 0.1614, 0.0663



0.3963, 0.1729, 0.0726

Previews

White Background



This preview shows how the Yxy color 80.1571, 0.3811, 0.5098 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 80.1571, 0.3811, 0.5098 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 80.1571, 0.3811, 0.5098

Background



This preview shows how black text looks on a background with the Yxy color 80.1571, 0.3811, 0.5098.

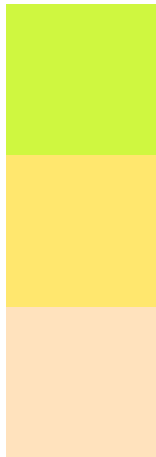


This preview shows how white text looks on a background with the Yxy color 80.1571, 0.3811, 0.5098.

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

80.1571, 0.3811, 0.5098

Protanopia

79.5376, 0.4070, 0.4457

Deuteranopia

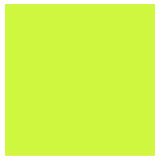
79.3268, 0.3588, 0.3667



Tritanopia

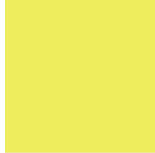
79.6019, 0.2983, 0.3094

Trichromacy



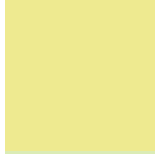
Original Color

80.1571, 0.3811, 0.5098



Protanomaly

79.5358, 0.3990, 0.4701



Deuteranomaly

79.0364, 0.3734, 0.4233



Tritanomaly

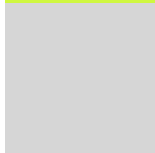
78.4284, 0.3351, 0.3884

Monochromacy



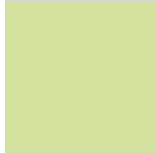
Original Color

80.1571, 0.3811, 0.5098



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.7448, 0.3460, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1571, 0.3811, 0.5098 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(207, 247, 64)` looks like.

```
.text, #text, p{  
    color:rgb(207, 247, 64)  
}
```

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(207, 247, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 247, 64) }
```

Border

The CSS property to change the border of an element to Yxy 80.1571, 0.3811, 0.5098 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(207, 247, 64) }
```

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

```
.border{ border-color:rgb(207, 247, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 247, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 247, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 247, 64);  
box-shadow:4px 4px 4px 4px rgb(207, 247,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1571, 0.3811, 0.5098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 247, 64) }
```

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

```
.background{ background-color: rgb(207,  
247, 64) }
```

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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