

Converting Colors

$Yxy(80.5915, 0.3873, 0.5144)$

Have a look what the booklet for
Yxy(80.5915, 0.3873, 0.5144)
contains.

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Color

Yxy(80.6007, 0.3874, 0.5144)

Conversions

Conversions Part 1

Format	Color
Hex	D3F732
RGB	211, 247, 50
RGB Percent	83%, 97%, 20%
CMY	0.1726, 0.0314, 0.8035
CMYK	0.15, 0.00, 0.80, 0.03
HSL	71°, 92%, 58%
HSV	71°, 80%, 97%
XYZ	60.7012, 80.6007, 15.3868
YIQ	213.7780, 41.7810, -68.8990

Conversions

Conversions Part 2

Format	Color
RYB	50, 247, 86
Decimal	13891378
CIELab	91.95, -34.74, 81.95
CIELCh	92, 89.010, 112.969
Yxy	80.6007, 0.3874, 0.5144
Android (android.graphics.Color)	4292081458 (0xFFD3F732)
YUV	213.7780, -80.7426, -2.4363
Hunter-Lab	89.7779, -36.4227, 52.6829

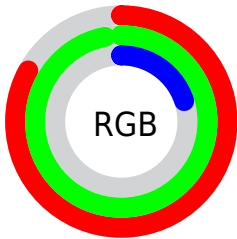
Details

The Yxy color **80.6007, 0.3874, 0.5144** 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 **10.9901, 0.1789, 0.0903**, and the grayscale version is **67.6297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9949, 0.3926, 0.4610**, and **43.9370, 0.3836, 0.5337** is the 20% darker color. If you saturate the color by 10%, you get **79.7872, 0.3882, 0.5247**, and if you desaturate by 10%, it is **81.5551, 0.3839, 0.4994**.

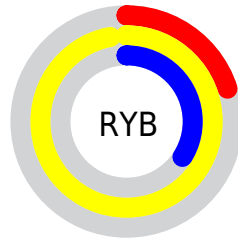
Distribution



Red (83%)

Green (97%)

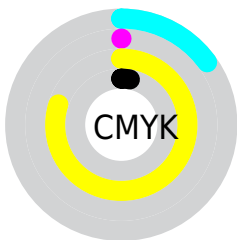
Blue (20%)



Red (20%)

Yellow (97%)

Blue (34%)

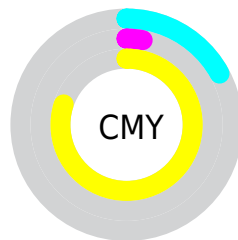


Cyan (15%)

Magenta (0%)

Yellow (80%)

Black (3%)



Cyan (17%)

Magenta (3%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6007, 0.3874, 0.5144 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 80.6007, 0.3874, 0.5144 by changing the saturation by 10% instead.


 80.6007, 0.3874,
0.5144

 80.6007, 0.3874,
0.5144

496.9549, 0.3622,
0.4316

 60.2128, 0.3901,
0.5310


 134.2100, 0.3810,
0.4873

 43.5902, 0.3918,
0.5500


 168.2001, 0.3778,
0.4762


 30.3484, 0.3915,
0.5715


 207.4931, 0.3748,
0.4664

 20.1032, 0.3880,
0.5962

 252.4734, 0.3719,
0.4578

 12.4701, 0.3775,
0.6225

 303.5253, 0.3692,
0.4502

 7.0647, 0.3537,
0.6463

361.0333, 0.3667,

 3.5026, 0.3172,

0.4433

0.6828

425.3817, 0.3643,
0.4372

■ 1.3994, 0.2265,
0.7735

■ 0.2163, 0.0000,
1.0000

■ 80.6007, 0.3874,
0.5144

■ 80.6007, 0.3874,
0.5144

■ 79.7872, 0.3882,
0.5247

■ 81.5551, 0.3839,
0.4994

■ 79.0775, 0.3868,
0.5309


■ 82.6559, 0.3779,
0.4801


■ 79.0580, 0.3868,
0.5311


■ 83.9204, 0.3696,
0.4573


■ 85.3607, 0.3596,
0.4322

 86.9876, 0.3483,
0.4058

 88.8110, 0.3364,
0.3792

 90.8400, 0.3243,
0.3532

 93.0831, 0.3124,
0.3283

 94.3756, 0.3110,
0.3213

Harmonies

Analogous

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



80.6007, 0.4681, 0.4594



80.6007, 0.3874, 0.5144



80.6007, 0.2933, 0.5073

Triad

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



80.6007, 0.3874, 0.5144



80.6007, 0.1453, 0.2207



80.6007, 0.4113, 0.2569

Complementary

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



80.6007, 0.3874, 0.5144



10.9901, 0.1789, 0.0903

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.



80.6007, 0.3044, 0.2091



80.6007, 0.3874, 0.5144



80.6007, 0.1646, 0.1860

Square

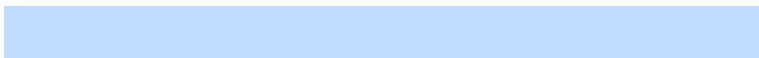
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6007, 0.3874, 0.5144



80.6007, 0.1586, 0.2984



80.6007, 0.2171, 0.1841



80.6007, 0.4937, 0.3193

Rectangle

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



80.6007, 0.3874, 0.5144



80.6007, 0.2345, 0.4523



80.6007, 0.2171, 0.1841



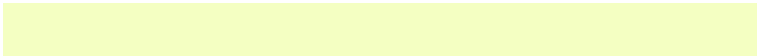
80.6007, 0.3758, 0.2389

Sweetspot

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



80.6044, 0.3874, 0.5144



94.6047, 0.3416, 0.3907



26.1812, 0.5673, 0.3534



20.1014, 0.3458, 0.4002



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.



80.6044, 0.3874, 0.5144



85.2776, 0.3875, 0.5290



70.4514, 0.3257, 0.5595



19.1514, 0.3240, 0.3526



41.8666, 0.3873, 0.5307



3.7186, 0.3916, 0.5273

Inverse Universe

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



10.9901, 0.1789, 0.0903



8.2528, 0.1603, 0.0670



18.8750, 0.2546, 0.1296



16.0724, 0.3008, 0.3047



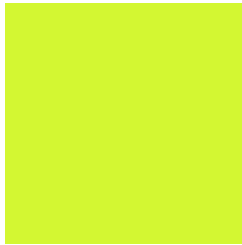
3.8924, 0.1584, 0.0646



0.3814, 0.1690, 0.0705

Previews

White Background



This preview shows how the Yxy color 80.6007, 0.3874, 0.5144 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 80.6007, 0.3874, 0.5144 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 80.6007, 0.3874, 0.5144

Background



This preview shows how black text looks on a background with the Yxy color 80.6007, 0.3874, 0.5144.

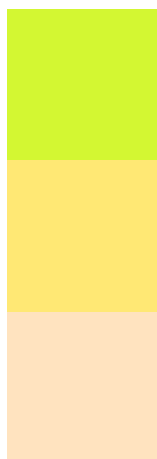


This preview shows how white text looks on a background with the Yxy color 80.6007, 0.3874, 0.5144.

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

80.6007, 0.3874, 0.5144

Protanopia

80.2342, 0.4033, 0.4417

Deuteranopia

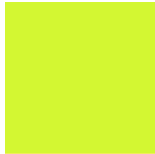
79.9598, 0.3572, 0.3656



Tritanopia

80.1939, 0.3015, 0.3105

Trichromacy



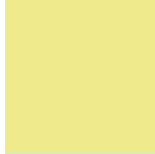
Original Color

80.6007, 0.3874, 0.5144



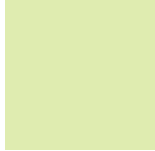
Protanomaly

79.6918, 0.4002, 0.4703



Deuteranomaly

79.0898, 0.3765, 0.4270



Tritanomaly

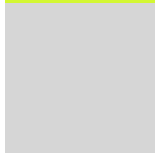
78.8135, 0.3417, 0.3945

Monochromacy



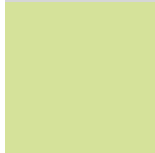
Original Color

80.6007, 0.3874, 0.5144



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.8719, 0.3507, 0.4111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6007, 0.3874, 0.5144 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(211, 247, 50)` looks like.

```
.text, #text, p{  
    color:rgb(211, 247, 50)  
}
```

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(211, 247, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 247, 50) }
```

Border

The CSS property to change the border of an element to Yxy 80.6007, 0.3874, 0.5144 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(211, 247, 50) }
```

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

```
.border{ border-color:rgb(211, 247, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 247, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 247, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 247, 50);  
box-shadow:4px 4px 4px 4px rgb(211, 247,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6007, 0.3874, 0.5144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 247, 50) }
```

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

```
.background{ background-color: rgb(211,  
247, 50) }
```

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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