

Converting Colors

$Y_{xy}(77.3461, 0.3819, 0.5018)$

Have a look what the booklet for
Yxy(77.3461, 0.3819, 0.5018)
contains.

Yxy(77.3820, 0.3820, 0.5016)	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(77.3820, 0.3820, 0.5016)

Conversions

Conversions Part 1

Format	Color
Hex	D0F248
RGB	208, 242, 72
RGB Percent	82%, 95%, 28%
CMY	0.1844, 0.0509, 0.7177
CMYK	0.14, 0.00, 0.70, 0.05
HSL	72°, 87%, 62%
HSV	72°, 70%, 95%
XYZ	58.9313, 77.3820, 17.9571
YIQ	212.4540, 34.3060, -60.0780

Conversions

Conversions Part 2

Format	Color
RYB	72, 242, 106
Decimal	13693512
CIELab	90.50, -32.68, 73.94
CIELCh	90, 80.839, 113.847
Yxy	77.3820, 0.3820, 0.5016
Android (android.graphics.Color)	4291883592 (0xFFD0F248)
YUV	212.4540, -69.2438, -3.9062
Hunter-Lab	87.9670, -34.3608, 49.4738

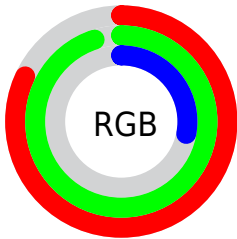
Details

The Yxy color **77.3820, 0.3820, 0.5016** is a light color, and the websafe version is hex **CCFF66**.

The color can be described as light washed yellow. A complement of this color would be **14.1082, 0.1961, 0.1139**, and the grayscale version is **66.6090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3917, 0.3850, 0.4484**, and **41.6018, 0.3855, 0.5321** is the 20% darker color. If you saturate the color by 10%, you get **76.4383, 0.3850, 0.5168**, and if you desaturate by 10%, it is **78.4784, 0.3764, 0.4821**.

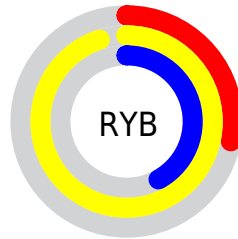
Distribution



Red (82%)

Green (95%)

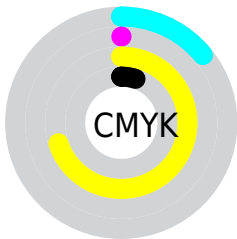
Blue (28%)



Red (28%)

Yellow (95%)

Blue (42%)

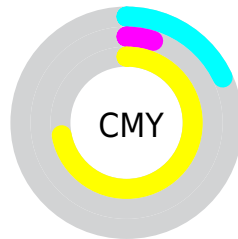


Cyan (14%)

Magenta (0%)

Yellow (70%)

Black (5%)



Cyan (18%)


Magenta (5%)


Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3820, 0.3820, 0.5016 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 77.3820, 0.3820, 0.5016 by changing the saturation by 10% instead.


 77.3820, 0.3820,
0.5016


 77.3820, 0.3820,
0.5016


486.0655, 0.3572,
0.4229

 57.5665, 0.3852,
0.5181


 129.6786, 0.3753,
0.4753


 41.4602, 0.3878,
0.5372


 162.9284, 0.3721,
0.4647

 28.6789, 0.3888,
0.5595

 201.4251, 0.3691,
0.4555

 18.8380, 0.3866,
0.5849

 245.5530, 0.3663,
0.4473

 11.5533, 0.3815,
0.6185

 295.6967, 0.3637,
0.4401

 6.4403, 0.3578,
0.6422


352.2403, 0.3614,


 3.1146, 0.3209,


0.4337


0.6791


415.5685, 0.3592,
0.4280

 1.1919, 0.2047,
0.7953

 0.0550, 0.0000,
1.0000


 77.3820, 0.3820,
0.5016


 77.3820, 0.3820,
0.5016


 76.4383, 0.3850,
0.5168


 78.4784, 0.3764,
0.4821


 75.6209, 0.3854,
0.5272


 79.7301, 0.3685,
0.4592

 74.9242, 0.3838,
0.5335


 81.1523, 0.3589,
0.4339

 82.7553, 0.3480,
0.4074

 84.5487, 0.3364,
0.3807

 86.5411, 0.3247,
0.3546

 88.7407, 0.3130,
0.3296

 90.4543, 0.3080,
0.3163

 91.3449, 0.3111,
0.3165

Harmonies

Analogous

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



77.3820, 0.4572, 0.4548



77.3820, 0.3820, 0.5016



77.3820, 0.2938, 0.4898

Triad

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



77.3820, 0.3820, 0.5016



77.3820, 0.1556, 0.2275



77.3820, 0.4066, 0.2637

Complementary

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



77.3820, 0.3820, 0.5016



14.1082, 0.1961, 0.1139

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.



77.3820, 0.3084, 0.2177



77.3820, 0.3820, 0.5016



77.3820, 0.1749, 0.1948

Square

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



77.3820, 0.3820, 0.5016



77.3820, 0.1680, 0.2993



77.3820, 0.2258, 0.1933



77.3820, 0.4811, 0.3234

Rectangle

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



77.3820, 0.3820, 0.5016



77.3820, 0.2390, 0.4384



77.3820, 0.2258, 0.1933



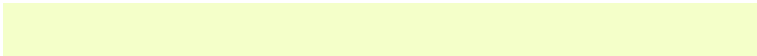
77.3820, 0.3742, 0.2464

Sweetspot

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



77.3855, 0.3820, 0.5016



95.0424, 0.3374, 0.3828



29.6521, 0.5225, 0.3608



20.2196, 0.3406, 0.3902



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.



77.3855, 0.3820, 0.5016



85.6966, 0.3855, 0.5215



68.1876, 0.3251, 0.5394



18.2900, 0.3237, 0.3525



40.3054, 0.3844, 0.5330



3.3931, 0.3892, 0.5292

Inverse Universe

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



14.1082, 0.1961, 0.1139



10.6612, 0.1747, 0.0829



22.1203, 0.2689, 0.1493



15.3810, 0.3011, 0.3048



3.8324, 0.1599, 0.0654



0.3592, 0.1716, 0.0719

Previews

White Background



This preview shows how the Yxy color 77.3820, 0.3820, 0.5016 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 77.3820, 0.3820, 0.5016 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 77.3820, 0.3820, 0.5016

Background



This preview shows how black text looks on a background with the Yxy color 77.3820, 0.3820, 0.5016.



This preview shows how white text looks on a background with the Yxy color 77.3820, 0.3820, 0.5016.

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

77.3820, 0.3820, 0.5016

Protanopia

77.1642, 0.4273, 0.4709

Deuteranopia

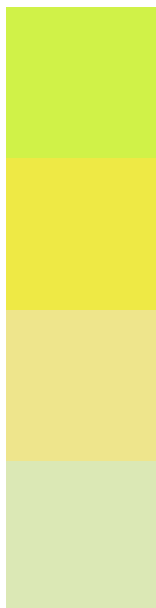
76.7572, 0.3670, 0.3731



Tritanopia

77.0931, 0.3014, 0.3102

Trichromacy



Original Color

77.3820, 0.3820, 0.5016

Protanomaly

76.8846, 0.4108, 0.4824

Deuteranomaly

76.1092, 0.3778, 0.4227

Tritanomaly

76.1095, 0.3364, 0.3855

Monochromacy



Original Color

77.3820, 0.3820, 0.5016

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

69.1974, 0.3454, 0.4004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3820, 0.3820, 0.5016 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(208, 242, 72)` looks like.

```
.text, #text, p{  
    color:rgb(208, 242, 72)  
}
```

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(208, 242, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 242, 72) }
```

Border

The CSS property to change the border of an element to Yxy 77.3820, 0.3820, 0.5016 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(208, 242, 72) }
```

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

```
.border{ border-color:rgb(208, 242, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 242, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 242, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 242, 72);  
box-shadow:4px 4px 4px 4px rgb(208, 242,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3820, 0.3820, 0.5016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 242, 72) }
```

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

```
.background{ background-color: rgb(208,  
242, 72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor