

Converting Colors

Yxy(50.4426, 0.3409, 0.5675)

Have a look what the booklet for
Yxy(50.4426, 0.3409, 0.5675)
contains.

Yxy(50.5977, 0.3406, 0.5678)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.5977, 0.3406, 0.5678)

Conversions

Conversions Part 1

Format	Color
Hex	71D400
RGB	113, 212, 0
RGB Percent	44%, 83%, 0%
CMY	0.5569, 0.1686, 1.0000
CMYK	0.47, 0.00, 1.00, 0.17
HSL	88°, 100%, 42%
HSV	88°, 100%, 83%
XYZ	30.3515, 50.5977, 8.1626
YIQ	158.2310, 9.0480, -86.9200

Conversions

Conversions Part 2

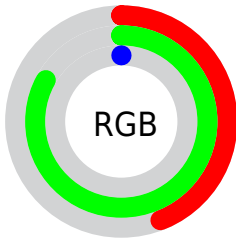
Format	Color
RYB	0, 212, 99
Decimal	7459840
CIELab	76.43, -56.67, 75.04
CIELCh	76, 94.033, 127.060
Yxy	50.5977, 0.3406, 0.5678
Android (android.graphics.Color)	4285649920 (0xFF71D400)
YUV	158.2310, -78.0079, -39.6676
Hunter-Lab	71.1321, -48.3166, 42.9887

Details

The Yxy color **50.5977, 0.3406, 0.5678** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **7.4077, 0.1952, 0.0849**, and the grayscale version is **34.6605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0443, 0.3482, 0.5169**, and **24.3813, 0.3150, 0.5881** is the 20% darker color. If you saturate the color by 10%, you get **50.6001, 0.3406, 0.5678**, and if you desaturate by 10%, it is **51.3479, 0.3455, 0.5573**.

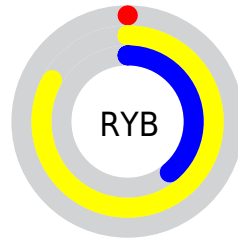
Distribution



Red (44%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (39%)

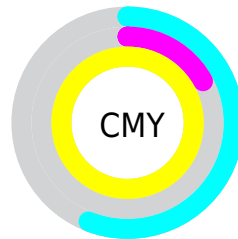


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (56%)

Magenta (17%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5977, 0.3406, 0.5678 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 50.5977, 0.3406, 0.5678 by changing the saturation by 10% instead.


 50.5977, 0.3406,
0.5678


 50.5977, 0.3406,
0.5678


388.9987, 0.3390,
0.4464

 35.8885, 0.3362,
0.5956


 91.0598, 0.3435,
0.5249


 24.3481, 0.3277,
0.6288


 117.5816, 0.3436,
0.5083

 15.5921, 0.3138,
0.6711


 148.8097, 0.3432,
0.4941

 9.2360, 0.2856,
0.7144

 185.1285, 0.3425,
0.4818

 4.8954, 0.2381,
0.7619

 226.9224, 0.3417,
0.4712

 2.1860, 0.1366,
0.8634

 274.5758, 0.3408,

 0.7124, 0.0000,

0.4619

1.0000

328.4731, 0.3399,
0.4537

■ 0.0000, 0.0000,
0.0000

■ 50.5977, 0.3406,
0.5678

■ 50.5977, 0.3406,
0.5678

■ 50.6001, 0.3406,
0.5678

■ 51.3479, 0.3455,
0.5573

■ 52.2299, 0.3487,
0.5419

■ 53.2682, 0.3497,
0.5213

■ 54.4760, 0.3484,
0.4963

■ 55.8645, 0.3450,
0.4684

■ 57.4438, 0.3401,
0.4391

■ 59.2231, 0.3340,
0.4096

■ 61.2107, 0.3271,
0.3810

■ 63.4147, 0.3200,
0.3540

Harmonies

Analogous

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



50.5977, 0.4468, 0.5134



50.5977, 0.3406, 0.5678



50.5977, 0.2333, 0.5121

Triad

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



50.5977, 0.3406, 0.5678



50.5977, 0.1245, 0.1750



50.5977, 0.4888, 0.2735

Complementary

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



50.5977, 0.3406, 0.5678



7.4077, 0.1952, 0.0849

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.



50.5977, 0.3617, 0.2109



50.5977, 0.3406, 0.5678



50.5977, 0.1624, 0.1568

Square

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



50.5977, 0.3406, 0.5678



50.5977, 0.1204, 0.2369



50.5977, 0.2408, 0.1700



50.5977, 0.5526, 0.3465

Rectangle

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



50.5977, 0.3406, 0.5678



50.5977, 0.1756, 0.4137



50.5977, 0.2408, 0.1700



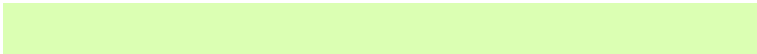
50.5977, 0.4501, 0.2510

Sweetspot

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



50.6001, 0.3406, 0.5678



89.8563, 0.3342, 0.4105



22.9098, 0.5519, 0.4000



18.9793, 0.3369, 0.4231



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.



50.6001, 0.3406, 0.5678



76.7456, 0.3399, 0.5683



47.1361, 0.3006, 0.5995



14.2185, 0.3195, 0.3525



31.2959, 0.3416, 0.5670



1.9367, 0.3543, 0.5569

Inverse Universe

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



7.4077, 0.1952, 0.0849



11.1493, 0.1941, 0.0843



17.7244, 0.3125, 0.1495



12.2901, 0.3054, 0.3054



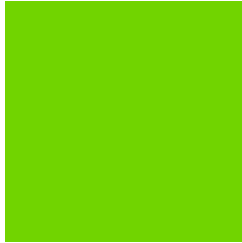
4.6313, 0.1966, 0.0857



0.3283, 0.2160, 0.0963

Previews

White Background



This preview shows how the Yxy color 50.5977, 0.3406, 0.5678 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 50.5977, 0.3406, 0.5678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

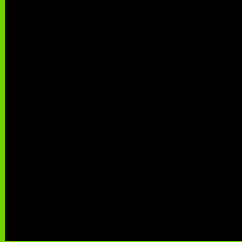
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5977, 0.3406, 0.5678

Background



This preview shows how black text looks on a background with the Yxy color 50.5977, 0.3406, 0.5678.



This preview shows how white text looks on a background with the Yxy color 50.5977, 0.3406, 0.5678.

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

50.5977, 0.3406, 0.5678

Protanopia

49.8153, 0.4400, 0.4888

Deuteranopia

49.8481, 0.4631, 0.4531



Tritanopia

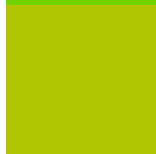
50.3120, 0.2617, 0.3077

Trichromacy



Original Color

50.5977, 0.3406, 0.5678



Protanomaly

49.0465, 0.3997, 0.5208



Deuteranomaly

47.9824, 0.4165, 0.4984



Tritanomaly

48.7645, 0.3039, 0.4262

Monochromacy



Original Color

50.5977, 0.3406, 0.5678



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

38.5312, 0.3415, 0.4472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5977, 0.3406, 0.5678 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(113, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 212, 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(113, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 212, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.5977, 0.3406, 0.5678 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(113, 212, 0) }
```

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

```
.border{ border-color:rgb(113, 212, 0) }
```

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

Here you see how a box with a 4 pixel rgb(113, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 212,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5977, 0.3406, 0.5678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 212, 0) }
```

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

```
.background{ background-color: rgb(113,  
212, 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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