

Converting Colors

Yxy(56.4626, 0.3358, 0.5716)

Have a look what the booklet for
Yxy(56.4626, 0.3358, 0.5716)
contains.

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Color

Yxy(56.2201, 0.3361, 0.5714)

Conversions

Conversions Part 1

Format	Color
Hex	70DF00
RGB	112, 223, 0
RGB Percent	44%, 87%, 0%
CMY	0.5608, 0.1255, 1.0000
CMYK	0.50, 0.00, 1.00, 0.13
HSL	90°, 100%, 44%
HSV	90°, 100%, 87%
XYZ	33.0689, 56.2201, 9.1011
YIQ	164.3890, 5.4270, -92.8850

Conversions

Conversions Part 2

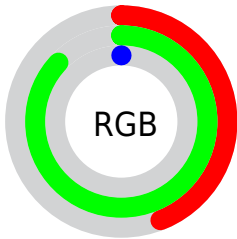
Format	Color
RYB	0, 223, 111
Decimal	7397120
CIELab	79.74, -61.00, 77.62
CIELCh	80, 98.723, 128.164
Yxy	56.2201, 0.3361, 0.5714
Android (android.graphics.Color)	4285587200 (0xFF70DF00)
YUV	164.3890, -81.0438, -45.9452
Hunter-Lab	74.9801, -52.4902, 45.2894

Details

The Yxy color **56.2201, 0.3361, 0.5714** 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 **8.7077, 0.2007, 0.0879**, and the grayscale version is **37.7140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0761, 0.3475, 0.5154**, and **28.1297, 0.3107, 0.5915** is the 20% darker color. If you saturate the color by 10%, you get **56.2230, 0.3361, 0.5714**, and if you desaturate by 10%, it is **57.0558, 0.3413, 0.5608**.

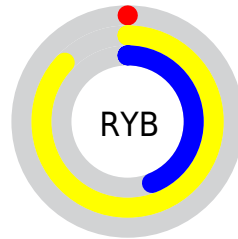
Distribution



Red (44%)

Green (87%)

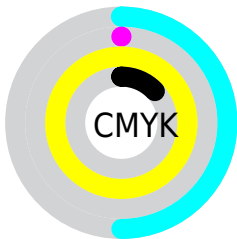
Blue (0%)



Red (0%)

Yellow (87%)

Blue (44%)

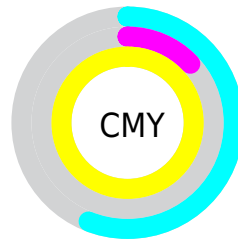


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (56%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2201, 0.3361, 0.5714 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 56.2201, 0.3361, 0.5714 by changing the saturation by 10% instead.


 56.2201, 0.3361,
0.5714


 56.2201, 0.3361,
0.5714


 410.5204, 0.3371,
0.4499

 40.3794, 0.3313,
0.5989


 99.3263, 0.3399,
0.5288


 27.8345, 0.3227,
0.6314


 127.3606, 0.3403,
0.5122

 18.2009, 0.3081,
0.6709


 160.2283, 0.3402,
0.4980

 11.0943, 0.2830,
0.7170

 198.3137, 0.3398,
0.4857

 6.1303, 0.2384,
0.7616

 242.0012, 0.3392,
0.4750

 2.9245, 0.1674,
0.8326

 291.6752, 0.3386,

 1.0924, 0.0000,

0.4656

1.0000

347.7202, 0.3378,
0.4573

■ 0.0000, 0.0000,
0.0000

■ 56.2201, 0.3361,
0.5714

■ 56.2201, 0.3361,
0.5714

■ 56.2230, 0.3361,
0.5714

■ 57.0558, 0.3413,
0.5608

■ 58.0496, 0.3448,
0.5452

■ 59.2295, 0.3462,
0.5240

■ 60.6110, 0.3454,
0.4985

■ 62.2074, 0.3425,
0.4701

■ 64.0305, 0.3381,
0.4402

■ 66.0910, 0.3325,
0.4103

■ 68.3992, 0.3262,
0.3814

■ 70.9642, 0.3195,
0.3541

Harmonies

Analogous

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



56.2201, 0.4438, 0.5179



56.2201, 0.3361, 0.5714



56.2201, 0.2284, 0.5104

Triad

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



56.2201, 0.3361, 0.5714



56.2201, 0.1236, 0.1720



56.2201, 0.4950, 0.2753

Complementary

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



56.2201, 0.3361, 0.5714



8.7077, 0.2007, 0.0879

Split Complementary

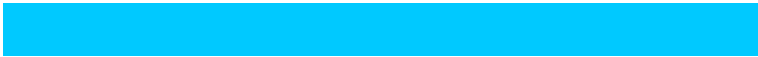
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.2201, 0.3672, 0.2117



56.2201, 0.3361, 0.5714



56.2201, 0.1630, 0.1552

Square

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



56.2201, 0.3361, 0.5714



56.2201, 0.1181, 0.2322



56.2201, 0.2437, 0.1696



56.2201, 0.5560, 0.3488

Rectangle

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



56.2201, 0.3361, 0.5714



56.2201, 0.1712, 0.4088



56.2201, 0.2437, 0.1696



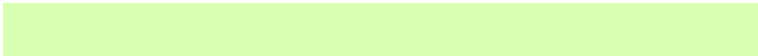
56.2201, 0.4565, 0.2525

Sweetspot

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



56.2230, 0.3361, 0.5714



89.4942, 0.3326, 0.4110



26.3688, 0.5474, 0.4035



18.8936, 0.3351, 0.4236



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.



56.2230, 0.3361, 0.5714



76.1148, 0.3356, 0.5718



52.8021, 0.3003, 0.5998



15.6737, 0.3191, 0.3527



33.1239, 0.3371, 0.5705



2.3492, 0.3488, 0.5612

Inverse Universe

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



8.7077, 0.2007, 0.0879



11.7265, 0.2000, 0.0875



20.4328, 0.3167, 0.1518



13.5767, 0.3058, 0.3053



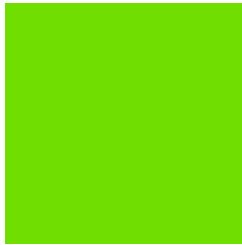
5.1869, 0.2022, 0.0888



0.4128, 0.2190, 0.0980

Previews

White Background



This preview shows how the Yxy color 56.2201, 0.3361, 0.5714 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 56.2201, 0.3361, 0.5714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

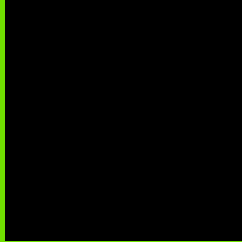
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

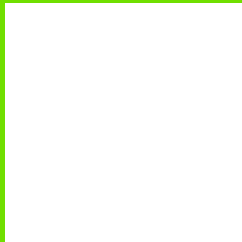
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.2201, 0.3361, 0.5714

Background



This preview shows how black text looks on a background with the Yxy color 56.2201, 0.3361, 0.5714.



This preview shows how white text looks on a background with the Yxy color 56.2201, 0.3361, 0.5714.

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

56.2201, 0.3361, 0.5714

Protanopia

55.3047, 0.4400, 0.4888

Deuteranopia

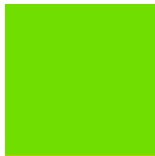
55.0892, 0.4633, 0.4525



Tritanopia

55.7582, 0.2585, 0.3072

Trichromacy



Original Color

56.2201, 0.3361, 0.5714



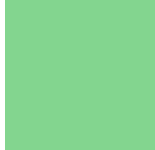
Protanomaly

53.9664, 0.3980, 0.5222



Deuteranomaly

52.9413, 0.4147, 0.4997



Tritanomaly

54.3970, 0.3001, 0.4284

Monochromacy



Original Color

56.2201, 0.3361, 0.5714



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

41.7171, 0.3400, 0.4499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2201, 0.3361, 0.5714 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(112, 223, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 223, 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(112, 223, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 223, 0) }
```

Border

The CSS property to change the border of an element to Yxy 56.2201, 0.3361, 0.5714 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(112, 223, 0) }
```

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

```
.border{ border-color:rgb(112, 223, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 223, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 223, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 223, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 223,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2201, 0.3361, 0.5714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 223, 0) }
```

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

```
.background{ background-color: rgb(112,  
223, 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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