

Converting Colors

$Y_{xy}(11.6439, 0.3988, 0.5215)$

Have a look what the booklet for
Yxy(11.6439, 0.3988, 0.5215)
contains.

Yxy(11.6266, 0.3983, 0.5220)	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(11.6266, 0.3983, 0.5220)

Conversions

Conversions Part 1

Format	Color
Hex	596600
RGB	89, 102, 0
RGB Percent	35%, 40%, 0%
CMY	0.6510, 0.6000, 1.0000
CMYK	0.13, 0.00, 1.00, 0.60
HSL	68°, 100%, 20%
HSV	68°, 100%, 40%
XYZ	8.8714, 11.6266, 1.7752
YIQ	86.4850, 24.9940, -34.4780

Conversions

Conversions Part 2

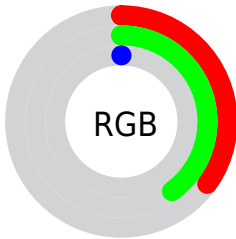
Format	Color
RYB	0, 102, 13
Decimal	5858816
CIELab	40.62, -17.23, 46.90
CIELCh	41, 49.966, 110.172
Yxy	11.6266, 0.3983, 0.5220
Android (android.graphics.Color)	4284048896 (0xFF596600)
YUV	86.4850, -42.6371, 2.2057
Hunter-Lab	34.0978, -13.2298, 20.7818

Details

The Yxy color **11.6266, 0.3983, 0.5220** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.0449, 0.1578, 0.0643**, and the grayscale version is **9.5042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8490, 0.3847, 0.4756**, and **3.1637, 0.3758, 0.5398** is the 20% darker color. If you saturate the color by 10%, you get **11.6272, 0.3983, 0.5220**, and if you desaturate by 10%, it is **11.7145, 0.3963, 0.5128**.

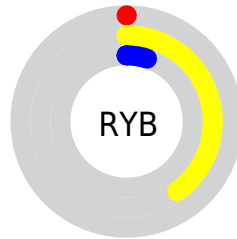
Distribution



Red (35%)

Green (40%)

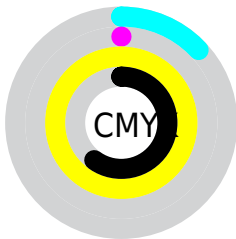
Blue (0%)



Red (0%)

Yellow (40%)

Blue (5%)

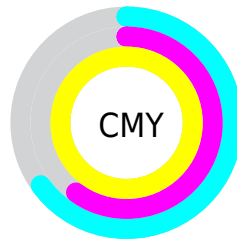


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (65%)


Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6266, 0.3983, 0.5220 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 11.6266, 0.3983, 0.5220 by changing the saturation by 10% instead.


 11.6266, 0.3983,
0.5220


 11.6266, 0.3983,
0.5220


 201.9174, 0.3552,
0.4060


 6.4900, 0.4058,
0.5587


 28.8132, 0.3851,
0.4759


 3.1452, 0.4019,
0.5981

 41.6319, 0.3790,
0.4595


 1.2080, 0.3657,
0.6343

 57.7801, 0.3736,
0.4462

 0.0682, 0.0000,
1.0000


 77.6422, 0.3689,
0.4353

 0.0000, 0.0000,
0.0000

 101.6026, 0.3648,
0.4261

 130.0457, 0.3612,


0.4184


 163.3558, 0.3580,
0.4117


 11.6266, 0.3983,
0.5220


 11.6266, 0.3983,
0.5220


 11.6272, 0.3983,
0.5220

 11.7145, 0.3963,
0.5128

 11.8101, 0.3932,
0.5017

 11.9221, 0.3878,
0.4868

 12.0523, 0.3803,
0.4685

 12.2021, 0.3710,
0.4473

■ 12.3728, 0.3604,
0.4243

■ 12.5656, 0.3488,
0.4003

■ 12.7816, 0.3368,
0.3760

■ 13.0219, 0.3246,
0.3520

Harmonies

Analogous

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



11.6266, 0.4819, 0.4574



11.6266, 0.3983, 0.5220



11.6266, 0.2995, 0.5264

Triad

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



11.6266, 0.3983, 0.5220



11.6266, 0.1365, 0.2190



11.6266, 0.4074, 0.2469

Complementary

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



11.6266, 0.3983, 0.5220



1.0449, 0.1578, 0.0643

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.



11.6266, 0.2933, 0.1991



11.6266, 0.3983, 0.5220



11.6266, 0.1536, 0.1798

Square

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



11.6266, 0.3983, 0.5220



11.6266, 0.1530, 0.3054



11.6266, 0.2046, 0.1755



11.6266, 0.5004, 0.3107

Rectangle

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



11.6266, 0.3983, 0.5220



11.6266, 0.2366, 0.4729



11.6266, 0.2046, 0.1755



11.6266, 0.3687, 0.2287

Sweetspot

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



11.6272, 0.3983, 0.5220



22.0058, 0.3498, 0.4024



3.0854, 0.6237, 0.3430



5.1672, 0.3533, 0.4095



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.6272, 0.3983, 0.5220



20.3586, 0.3977, 0.5224



9.9364, 0.3260, 0.5793



3.2512, 0.3233, 0.3495



14.9212, 0.3980, 0.5222



77.5589, 0.3967, 0.5232

Inverse Universe

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



1.0449, 0.1578, 0.0643



1.8006, 0.1562, 0.0634



2.0129, 0.2316, 0.1049



2.7789, 0.3016, 0.3079



1.3305, 0.1570, 0.0639



6.7151, 0.1540, 0.0622

Previews

White Background



This preview shows how the Yxy color 11.6266, 0.3983, 0.5220 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 11.6266, 0.3983, 0.5220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

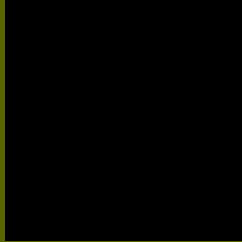
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6266, 0.3983, 0.5220

Background



This preview shows how black text looks on a background with the Yxy color 11.6266, 0.3983, 0.5220.



This preview shows how white text looks on a background with the Yxy color 11.6266, 0.3983, 0.5220.

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

11.6266, 0.3983, 0.5220

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.5876, 0.4606, 0.4551



Tritanopia

11.6851, 0.3059, 0.3130

Trichromacy



Original Color

11.6266, 0.3983, 0.5220

Protanomaly

11.5021, 0.4243, 0.5013

Deuteranomaly

11.4598, 0.4377, 0.4796

Tritanomaly

11.4967, 0.3533, 0.4087

Monochromacy



Original Color

11.6266, 0.3983, 0.5220

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.9564, 0.3595, 0.4238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6266, 0.3983, 0.5220 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(89, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(89, 102, 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(89, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.6266, 0.3983, 0.5220 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(89, 102, 0) }
```

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

```
.border{ border-color:rgb(89, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(89, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(89, 102, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6266, 0.3983, 0.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 102, 0) }
```

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

```
.background{ background-color: rgb(89, 102,  
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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