

Converting Colors

$Y_{xy}(21.1510, 0.3800, 0.5365)$

Have a look what the booklet for
Yxy(21.1510, 0.3800, 0.5365)
contains.

Yxy(21.2411, 0.3798, 0.5366)	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(21.2411, 0.3798, 0.5366)

Conversions

Conversions Part 1

Format	Color
Hex	6A8A00
RGB	106, 138, 0
RGB Percent	42%, 54%, 0%
CMY	0.5842, 0.4588, 0.9997
CMYK	0.23, 0.00, 1.00, 0.46
HSL	74°, 100%, 27%
HSV	74°, 100%, 54%
XYZ	15.0342, 21.2411, 3.3093
YIQ	112.7000, 25.2260, -49.7020

Conversions

Conversions Part 2

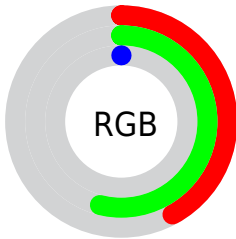
Format	Color
RYB	0, 138, 32
Decimal	6982144
CIELab	53.21, -27.92, 56.92
CIElCh	53, 63.397, 116.132
Yxy	21.2411, 0.3798, 0.5366
Android (android.graphics.Color)	4285172224 (0xFF6A8A00)
YUV	112.7000, -55.5611, -5.8759
Hunter-Lab	46.0881, -22.4262, 28.0044

Details

The Yxy color **21.2411, 0.3798, 0.5366** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.1443, 0.1645, 0.0680**, and the grayscale version is **16.5858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6937, 0.3729, 0.4927**, and **7.7637, 0.3577, 0.5542** is the 20% darker color. If you saturate the color by 10%, you get **21.2409, 0.3798, 0.5366**, and if you desaturate by 10%, it is **21.4730, 0.3807, 0.5274**.

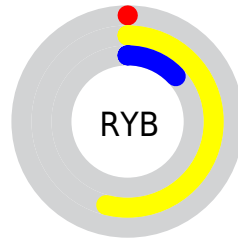
Distribution



Red (42%)

Green (54%)

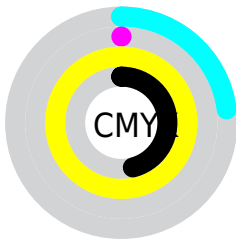
Blue (0%)



Red (0%)

Yellow (54%)

Blue (13%)

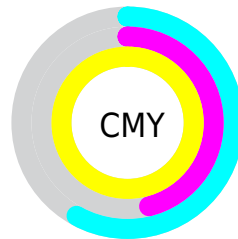


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (58%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2411, 0.3798, 0.5366 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 21.2411, 0.3798, 0.5366 by changing the saturation by 10% instead.

 21.2411, 0.3798,
0.5366


 21.2411, 0.3798,
0.5366


258.5570, 0.3524,
0.4199


 13.3004, 0.3802,
0.5663


 45.4884, 0.3734,
0.4925

 7.6357, 0.3829,
0.6152


 62.5638, 0.3697,
0.4763


 3.8627, 0.3561,
0.6439

 83.4529, 0.3661,
0.4627

 1.5971, 0.3073,
0.6927

 108.5400, 0.3628,
0.4514

 0.3556, 0.0000,
1.0000


 138.2096, 0.3598,
0.4417


 0.0000, 0.0000,
0.0000


 172.8460, 0.3571,

0.4334


 212.8337, 0.3546,
0.4262

 21.2411, 0.3798,
0.5366


 21.2411, 0.3798,
0.5366


 21.2409, 0.3798,
0.5366

 21.4730, 0.3807,
0.5274

 21.7311, 0.3799,
0.5151

 22.0268, 0.3767,
0.4985

 22.3640, 0.3712,
0.4781

 22.7459, 0.3638,
0.4548

■ 23.1754, 0.3548,
0.4297

■ 23.6550, 0.3447,
0.4038

■ 24.1872, 0.3341,
0.3779

■ 24.7742, 0.3233,
0.3528

Harmonies

Analogous

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



21.2411, 0.4712, 0.4751



21.2411, 0.3798, 0.5366



21.2411, 0.2779, 0.5234

Triad

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



21.2411, 0.3798, 0.5366



21.2411, 0.1326, 0.2037



21.2411, 0.4336, 0.2563

Complementary

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



21.2411, 0.3798, 0.5366



2.1443, 0.1645, 0.0680

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.



21.2411, 0.3147, 0.2033



21.2411, 0.3798, 0.5366



21.2411, 0.1566, 0.1721

Square

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



21.2411, 0.3798, 0.5366



21.2411, 0.1419, 0.2817



21.2411, 0.2161, 0.1739



21.2411, 0.5187, 0.3232

Rectangle

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



21.2411, 0.3798, 0.5366



21.2411, 0.2161, 0.4548



21.2411, 0.2161, 0.1739



21.2411, 0.3946, 0.2365

Sweetspot

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



21.2421, 0.3798, 0.5366



41.6356, 0.3455, 0.4056



6.3296, 0.6107, 0.3532



9.2679, 0.3492, 0.4151



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.2421, 0.3798, 0.5366



37.3680, 0.3790, 0.5373



18.6110, 0.3141, 0.5887



5.7875, 0.3225, 0.3508



19.4821, 0.3799, 0.5365



0.1360, 0.3998, 0.5208

Inverse Universe

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



2.1443, 0.1645, 0.0680



3.7139, 0.1629, 0.0671



4.4845, 0.2519, 0.1162



4.9446, 0.3024, 0.3067



1.9698, 0.1648, 0.0681



0.0188, 0.2041, 0.0898

Previews

White Background



This preview shows how the Yxy color 21.2411, 0.3798, 0.5366 looks on a white 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

Black Background



This preview shows how the Yxy color 21.2411, 0.3798, 0.5366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

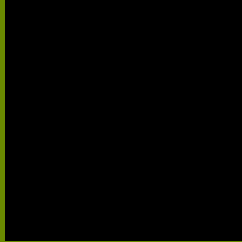
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2411, 0.3798, 0.5366

Background



This preview shows how black text looks on a background with the Yxy color 21.2411, 0.3798, 0.5366.



This preview shows how white text looks on a background with the Yxy color 21.2411, 0.3798, 0.5366.

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

21.2411, 0.3798, 0.5366

Protanopia

21.0184, 0.4400, 0.4889

Deuteranopia

20.9767, 0.4629, 0.4540



Tritanopia

21.1249, 0.2909, 0.3107

Trichromacy



Original Color

21.2411, 0.3798, 0.5366

Protanomaly

20.9784, 0.4180, 0.5063

Deuteranomaly

20.7916, 0.4320, 0.4856

Tritanomaly

20.7845, 0.3385, 0.4150

Monochromacy



Original Color

21.2411, 0.3798, 0.5366

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.7019, 0.3548, 0.4313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2411, 0.3798, 0.5366 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(106, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 138, 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(106, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.2411, 0.3798, 0.5366 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(106, 138, 0) }
```

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

```
.border{ border-color:rgb(106, 138, 0) }
```

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

Here you see how a box with a 4 pixel rgb(106, 138, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 138,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2411, 0.3798, 0.5366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 138, 0) }
```

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

```
.background{ background-color: rgb(106,  
138, 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](#).

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