

Converting Colors

$Y_{xy}(10.9309, 0.4346, 0.4673)$

Have a look what the booklet for
Yxy(10.9309, 0.4346, 0.4673)
contains.

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Color

Yxy(10.8966, 0.4351, 0.4672)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 6C5C15 |
| RGB | 108, 92, 21 |
| RGB Percent | 42%, 36%, 8% |
| CMY | 0.5764, 0.6392, 0.9176 |
| CMYK | 0.00, 0.15, 0.81, 0.58 |
| HSL | 49°, 67%, 25% |
| HSV | 49°, 81%, 42% |
| XYZ | 10.1479, 10.8966, 2.2787 |
| YIQ | 88.6900, 32.3270, -18.6890 |

Conversions

Conversions Part 2

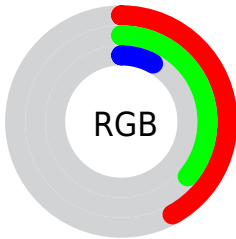
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 41, 108, 21 |
| Decimal | 7101461 |
| CIE Lab | 39.41, -1.62, 40.41 |
| CIE LCh | 39, 40.444, 92.291 |
| Yxy | 10.8966, 0.4351, 0.4672 |
| Android (android.graphics.Color) | 4285291541 (0xFF6C5C15) |
| YUV | 88.6900, -33.3712, 16.9349 |
| Hunter-Lab | 33.0100, -2.8931, 19.0142 |

Details

The Yxy color **10.8966, 0.4351, 0.4672** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.5676, 0.1774, 0.1238**, and the grayscale version is **9.9886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4696, 0.4083, 0.4368**, and **2.9029, 0.4488, 0.4818** is the 20% darker color. If you saturate the color by 10%, you get **10.5254, 0.4453, 0.4735**, and if you desaturate by 10%, it is **11.2952, 0.4225, 0.4569**.

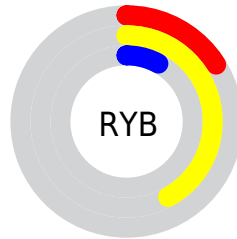
Distribution



Red (42%)

Green (36%)

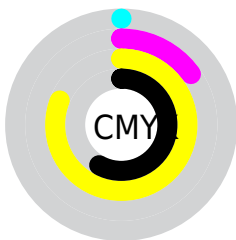
Blue (8%)



Red (16%)

Yellow (42%)

Blue (8%)

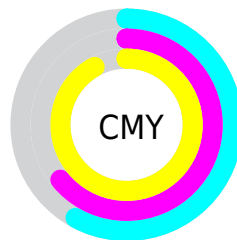


Cyan (0%)

Magenta (15%)

Yellow (81%)

Black (58%)



Cyan (58%)


Magenta (64%)

Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8966, 0.4351, 0.4672 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 10.8966, 0.4351, 0.4672 by changing the saturation by 10% instead.


 10.8966, 0.4351,
0.4672


 10.8966, 0.4351,
0.4672


 196.9568, 0.3647,
0.3867


 5.9973, 0.4529,
0.4885

 27.4688, 0.4084,
0.4362


 2.8435, 0.4793,
0.5207


 39.9105, 0.3985,
0.4248


 1.0506, 0.4762,
0.5238

 55.6352, 0.3903,
0.4155


 0.0000, 0.0000,
0.0000

 75.0273, 0.3834,
0.4078

 98.4711, 0.3777,
0.4012

 126.3510, 0.3727,

0.3957


 159.0514, 0.3685,
0.3909


 10.8966, 0.4351,
0.4672


 10.8966, 0.4351,
0.4672

 10.5254, 0.4453,
0.4735


 11.2952, 0.4225,
0.4569

 10.1896, 0.4541,
0.4777

 11.7216, 0.4080,
0.4430

 12.1782, 0.3922,
0.4264

 12.6664, 0.3758,
0.4079

 13.1879, 0.3594,
0.3884

■ 13.7438, 0.3433,
0.3686

■ 14.3354, 0.3279,
0.3489

■ 14.9640, 0.3135,
0.3300

■ 15.6305, 0.3001,
0.3120

Harmonies

Analogous

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



10.8966, 0.4852, 0.4066



10.8966, 0.4351, 0.4672



10.8966, 0.3570, 0.4992

Triad

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



10.8966, 0.4351, 0.4672



10.8966, 0.1658, 0.2774



10.8966, 0.3352, 0.2319

Complementary

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



10.8966, 0.4351, 0.4672



2.5676, 0.1774, 0.1238

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.



10.8966, 0.2485, 0.2017



10.8966, 0.4351, 0.4672



10.8966, 0.1625, 0.2187

Square

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



10.8966, 0.4351, 0.4672



10.8966, 0.2026, 0.3717



10.8966, 0.1899, 0.1958



10.8966, 0.4275, 0.2814

Rectangle

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



10.8966, 0.4351, 0.4672



10.8966, 0.2996, 0.4853



10.8966, 0.1899, 0.1958



10.8966, 0.3040, 0.2194

Sweetspot

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



10.8971, 0.4351, 0.4672



23.7154, 0.3498, 0.3767



3.8685, 0.5265, 0.2990



5.6758, 0.3542, 0.3822



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.8971, 0.4351, 0.4672



17.9160, 0.4527, 0.4761



12.5714, 0.3706, 0.5193



3.4936, 0.3256, 0.3459



12.1157, 0.4544, 0.4774



60.5663, 0.4568, 0.4755

Inverse Universe

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



2.5676, 0.1774, 0.1238



2.8189, 0.1579, 0.0848



2.2271, 0.1999, 0.1072



3.1070, 0.2997, 0.3115



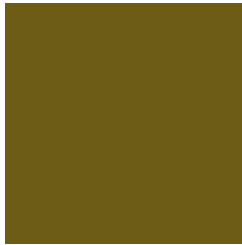
1.8497, 0.1562, 0.0824



8.4615, 0.1542, 0.0750

Previews

White Background



This preview shows how the Yxy color 10.8966, 0.4351, 0.4672 looks on a white background.

Color Contrast Check

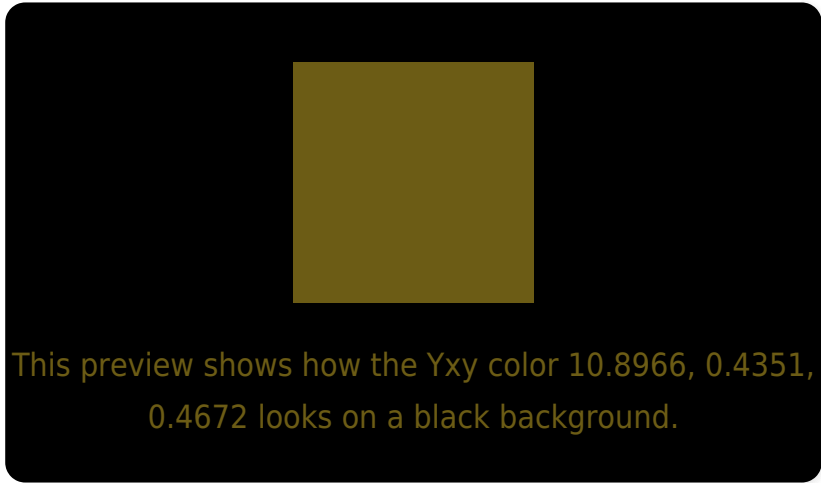
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

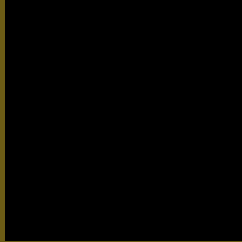
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8966, 0.4351, 0.4672

Background



This preview shows how black text looks on a background with the Yxy color 10.8966, 0.4351, 0.4672.



This preview shows how white text looks on a background with the Yxy color 10.8966, 0.4351, 0.4672.

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

10.8966, 0.4351, 0.4672

Protanopia

10.8861, 0.4284, 0.4722

Deuteranopia

10.8232, 0.4552, 0.4486



Tritanopia

10.9390, 0.3487, 0.3161

Trichromacy



Original Color

10.8966, 0.4351, 0.4672

Protanomaly

10.9470, 0.4301, 0.4711

Deuteranomaly

10.7801, 0.4494, 0.4546

Tritanomaly

10.7523, 0.3879, 0.3782

Monochromacy



Original Color

10.8966, 0.4351, 0.4672

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.1693, 0.3633, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8966, 0.4351, 0.4672 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(108, 92, 21)` looks like.

```
.text, #text, p{  
    color:rgb(108, 92, 21)  
}
```

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(108, 92, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 92, 21) }
```

Border

The CSS property to change the border of an element to Yxy 10.8966, 0.4351, 0.4672 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(108, 92, 21) }
```

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

```
.border{ border-color:rgb(108, 92, 21) }
```

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

Here you see how a box with a 4 pixel rgb(108, 92, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 92, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 92, 21);  
box-shadow:4px 4px 4px 4px rgb(108, 92,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8966, 0.4351, 0.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 92, 21) }
```

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

```
.background{ background-color: rgb(108, 92,  
21) }
```

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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