

Converting Colors

$Y_{xy}(10.3556, 0.4657, 0.5343)$

Have a look what the booklet for
Yxy(10.3556, 0.4657, 0.5343)
contains.

Yxy(10.4791, 0.4366, 0.4916)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.4791, 0.4366, 0.4916)

Conversions

Conversions Part 1

Format	Color
Hex	665C00
RGB	102, 92, 0
RGB Percent	40%, 36%, 0%
CMY	0.6000, 0.6392, 1.0000
CMYK	0.00, 0.10, 1.00, 0.60
HSL	54°, 100%, 20%
HSV	54°, 100%, 40%
XYZ	9.3067, 10.4791, 1.5305
YIQ	84.5020, 35.4920, -26.4920

Conversions

Conversions Part 2

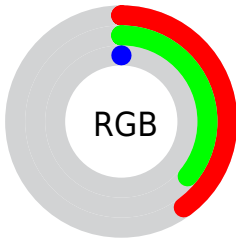
Format	Color
R _Y B	11, 102, 0
Decimal	6708224
CIE Lab	38.69, -5.27, 46.02
CIE LCh	39, 46.325, 96.534
Yxy	10.4791, 0.4366, 0.4916
Android (android.graphics.Color)	4284898304 (0xFF665C00)
YUV	84.5020, -41.6595, 15.3457
Hunter-Lab	32.3714, -5.3317, 19.8568

Details

The Yxy color **10.4791, 0.4366, 0.4916** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.1765, 0.1533, 0.0720**, and the grayscale version is **9.0583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7093, 0.4117, 0.4559**, and **2.7368, 0.4314, 0.4957** is the 20% darker color. If you saturate the color by 10%, you get **10.4797, 0.4366, 0.4916**, and if you desaturate by 10%, it is **10.6765, 0.4299, 0.4857**.

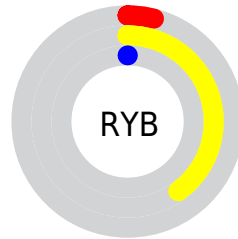
Distribution



Red (40%)

Green (36%)

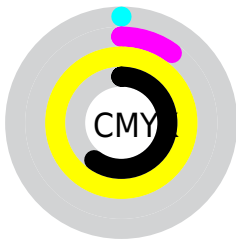
Blue (0%)



Red (4%)

Yellow (40%)

Blue (0%)

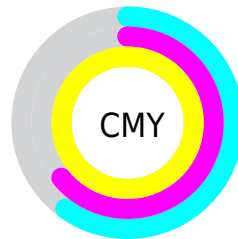


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (60%)



Cyan (60%)


Magenta (64%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4791, 0.4366, 0.4916 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 10.4791, 0.4366, 0.4916 by changing the saturation by 10% instead.


 10.4791, 0.4366,
0.4916


 10.4791, 0.4366,
0.4916


 194.0581, 0.3681,
0.3973


 5.7178, 0.4563,
0.5218

 26.6928, 0.4124,
0.4559


 2.6742, 0.4605,
0.5395


 38.9140, 0.4027,
0.4426

 0.9641, 0.4490,
0.5510

 54.3906, 0.3945,
0.4315

 0.0000, 0.0000,
0.0000

 73.5069, 0.3875,
0.4223

 96.6474, 0.3816,
0.4146

 124.1966, 0.3764,

0.4079


 156.5387, 0.3720,
0.4022


 10.4791, 0.4366,
0.4916


 10.4791, 0.4366,
0.4916


 10.4797, 0.4366,
0.4916

 10.6765, 0.4299,
0.4857

 10.8828, 0.4222,
0.4779

 11.1067, 0.4121,
0.4663

 11.3499, 0.4000,
0.4513

 11.6139, 0.3864,
0.4334

■ 11.9000, 0.3717,
0.4136

■ 12.2093, 0.3566,
0.3925

■ 12.5431, 0.3415,
0.3710

■ 12.9022, 0.3268,
0.3497

Harmonies

Analogous

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



10.4791, 0.5023, 0.4216



10.4791, 0.4366, 0.4916



10.4791, 0.3452, 0.5275

Triad

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



10.4791, 0.4366, 0.4916



10.4791, 0.1448, 0.2552



10.4791, 0.3533, 0.2261

Complementary

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



10.4791, 0.4366, 0.4916



1.1765, 0.1533, 0.0720

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.



10.4791, 0.2509, 0.1894



10.4791, 0.4366, 0.4916



10.4791, 0.1469, 0.1973

Square

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



10.4791, 0.4366, 0.4916



10.4791, 0.1784, 0.3601



10.4791, 0.1812, 0.1785



10.4791, 0.4586, 0.2826

Rectangle

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



10.4791, 0.4366, 0.4916



10.4791, 0.2809, 0.5057



10.4791, 0.1812, 0.1785



10.4791, 0.3166, 0.2112

Sweetspot

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



10.4797, 0.4366, 0.4916



21.3627, 0.3579, 0.3944



2.8473, 0.6196, 0.3187



5.0013, 0.3624, 0.4006



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.



10.4797, 0.4366, 0.4916



18.2909, 0.4371, 0.4911



10.5019, 0.3546, 0.5567



3.2245, 0.3252, 0.3474



13.4281, 0.4368, 0.4914



69.3237, 0.4380, 0.4905

Inverse Universe

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



1.1765, 0.1533, 0.0720



1.9703, 0.1525, 0.0691



1.4267, 0.1899, 0.0820



2.8029, 0.2999, 0.3099



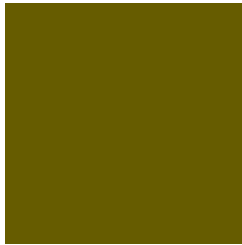
1.4772, 0.1529, 0.0705



7.0689, 0.1515, 0.0654

Previews

White Background



This preview shows how the Yxy color 10.4791, 0.4366, 0.4916 looks on a white background.

Color Contrast Check

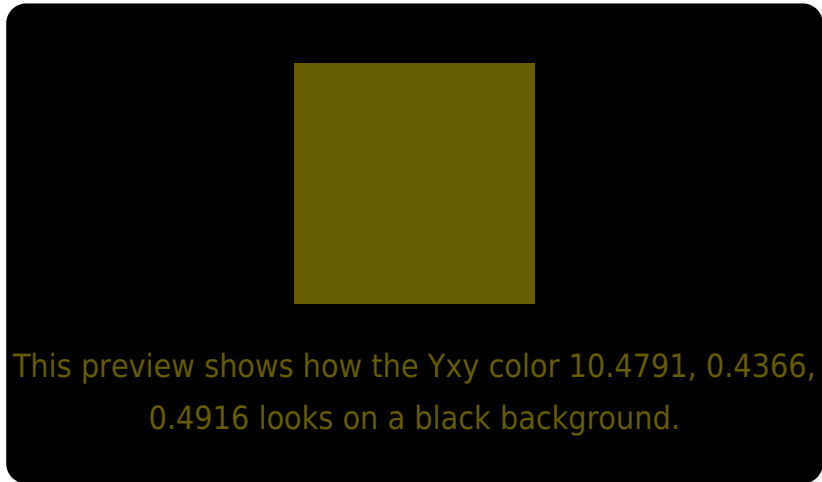
Large Text (above 18pt) WCAG AA ✓ Pass

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

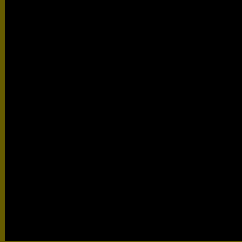
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4791, 0.4366, 0.4916

Background



This preview shows how black text looks on a background with the Yxy color 10.4791, 0.4366, 0.4916.



This preview shows how white text looks on a background with the Yxy color 10.4791, 0.4366, 0.4916.

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

10.4791, 0.4366, 0.4916

Protanopia

10.5379, 0.4383, 0.4902

Deuteranopia

10.4878, 0.4615, 0.4590



Tritanopia

10.5541, 0.3386, 0.3156

Trichromacy



Original Color

10.4791, 0.4366, 0.4916

Protanomaly

10.5379, 0.4383, 0.4902

Deuteranomaly

10.4773, 0.4516, 0.4710

Tritanomaly

10.2985, 0.3887, 0.3962

Monochromacy



Original Color

10.4791, 0.4366, 0.4916

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.4699, 0.3713, 0.4151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4791, 0.4366, 0.4916 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(102, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 92, 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(102, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 92, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.4791, 0.4366, 0.4916 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(102, 92, 0) }
```

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

```
.border{ border-color:rgb(102, 92, 0) }
```

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

Here you see how a box with a 4 pixel rgb(102, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 92, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.4791, 0.4366, 0.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 92, 0) }
```

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

```
.background{ background-color: rgb(102, 92,  
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