

Converting Colors

$Y_{xy}(10.4860, 0.6084, 0.3788)$

Have a look what the booklet for
Yxy(10.4860, 0.6084, 0.3788)
contains.

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Color

Yxy(10.4746, 0.5930, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	A63300
RGB	166, 51, 0
RGB Percent	65%, 20%, 0%
CMY	0.3490, 0.8000, 0.9998
CMYK	0.00, 0.69, 1.00, 0.35
HSL	18°, 100%, 33%
HSV	18°, 100%, 65%
XYZ	16.9111, 10.4746, 1.1322
YIQ	79.5710, 84.9110, 8.5190

Conversions

Conversions Part 2

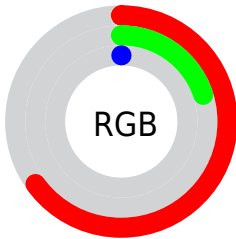
Format	Color
R_{YB}	166, 74, 0
Decimal	10892032
CIE Lab	38.68, 45.53, 50.62
CIE LCh	39, 68.085, 48.035
Yxy	10.4746, 0.5930, 0.3673
Android (android.graphics.Color)	4289082112 (0xFFA63300)
YUV	79.5710, -39.2285, 75.7982
Hunter-Lab	32.3645, 36.6319, 20.5811

Details

The Yxy color **10.4746, 0.5930, 0.3673** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.0312, 0.1963, 0.2265**, and the grayscale version is **8.0009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6517, 0.5311, 0.3766**, and **3.0033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.4715, 0.5931, 0.3673**, and if you desaturate by 10%, it is **11.6472, 0.5658, 0.3750**.

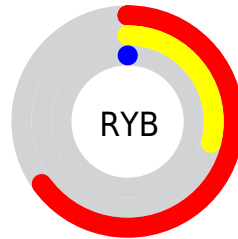
Distribution



Red (65%)

Green (20%)

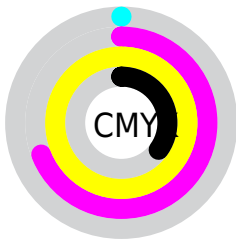
Blue (0%)



Red (65%)

Yellow (29%)

Blue (0%)

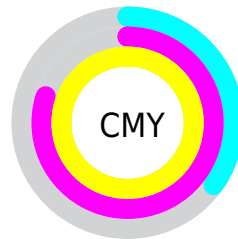


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 10.4746, 0.5930, 0.3673 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 10.4746, 0.5930, 0.3673 by changing the saturation by 10% instead.


 10.4746, 0.5930,
0.3673


 10.4746, 0.5930,
0.3673


 194.0266, 0.4308,
0.3669


 5.7147, 0.6424,
0.3576


 26.6844, 0.5320,
0.3764


 2.6724, 0.6785,
0.3215


 38.9032, 0.5092,
0.3765

 0.9632, 0.7346,
0.2654

 54.3771, 0.4902,
0.3755

 0.0000, 1.0000,
0.0000


 73.4904, 0.4743,
0.3740


 0.0000, 0.0000,
0.0000


 96.6277, 0.4609,
0.3723


 124.1732, 0.4494,

0.3704


 156.5114, 0.4394,
0.3686


 10.4746, 0.5930,
0.3673


 10.4746, 0.5930,
0.3673


 10.4715, 0.5931,
0.3673

 11.6472, 0.5658,
0.3750

 13.1175, 0.5335,
0.3792

 14.9148, 0.4978,
0.3790

 17.0591, 0.4618,
0.3752

 19.5689, 0.4280,
0.3688

■ 22.4609, 0.3976,
0.3611

■ 25.7509, 0.3711,
0.3528

■ 29.4538, 0.3483,
0.3445

■ 33.5834, 0.3290,
0.3365

Harmonies

Analogous

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



10.4746, 0.5660, 0.2875



10.4746, 0.5930, 0.3673



10.4746, 0.5307, 0.4690

Triad

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



10.4746, 0.5930, 0.3673



10.4746, 0.1737, 0.4950



10.4746, 0.1649, 0.1342

Complementary

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



10.4746, 0.5930, 0.3673



15.0312, 0.1963, 0.2265

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.



10.4746, 0.1097, 0.1389



10.4746, 0.5930, 0.3673



10.4746, 0.1080, 0.2979

Square

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



10.4746, 0.5930, 0.3673



10.4746, 0.2857, 0.6208



10.4746, 0.0916, 0.1834



10.4746, 0.2724, 0.1599

Rectangle

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



10.4746, 0.5930, 0.3673



10.4746, 0.4565, 0.5435



10.4746, 0.0916, 0.1834



10.4746, 0.1415, 0.1322

Sweetspot

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



10.4752, 0.5930, 0.3673



46.3564, 0.3726, 0.3533



9.3752, 0.4137, 0.2053



9.8158, 0.3830, 0.3567



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



10.4752, 0.5930, 0.3673



18.6722, 0.5962, 0.3648



24.8329, 0.4593, 0.4735



7.9039, 0.3278, 0.3360



8.1938, 0.5914, 0.3686



0.2889, 0.5284, 0.4186

Inverse Universe

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



15.0312, 0.1963, 0.2265



26.8794, 0.1957, 0.2245



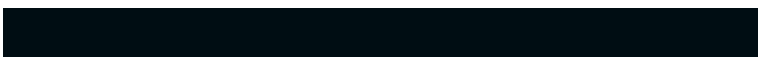
3.8554, 0.1558, 0.0808



8.1376, 0.2987, 0.3219



11.7368, 0.1965, 0.2275



0.3698, 0.2070, 0.2650

Previews

White Background



This preview shows how the Yxy color 10.4746, 0.5930, 0.3673 looks on a white background.

Color Contrast Check

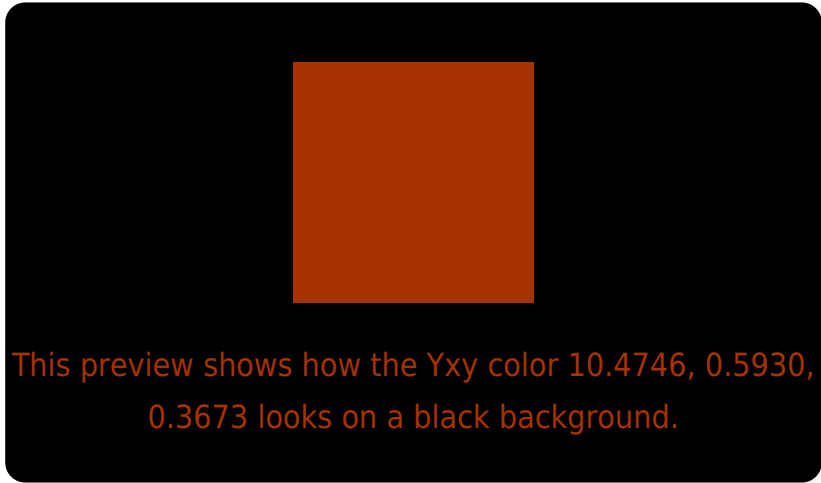
Large Text (above 18pt) WCAG AA ✓ Pass

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

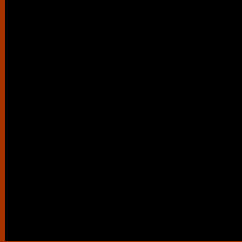
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4746, 0.5930, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 10.4746, 0.5930, 0.3673.



This preview shows how white text looks on a background with the Yxy color 10.4746, 0.5930, 0.3673.

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

10.4746, 0.5930, 0.3673

Protanopia

10.6410, 0.4305, 0.4750

Deuteranopia

10.6925, 0.4672, 0.4672



Tritanopia

10.5597, 0.5446, 0.3273

Trichromacy



Original Color

10.4746, 0.5930, 0.3673

Protanomaly

9.8439, 0.5002, 0.4294

Deuteranomaly

10.1005, 0.5200, 0.4253

Tritanomaly

10.5164, 0.5709, 0.3471

Monochromacy



Original Color

10.4746, 0.5930, 0.3673

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

7.8748, 0.4354, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4746, 0.5930, 0.3673 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(166, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 51, 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(166, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 51, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.4746, 0.5930, 0.3673 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(166, 51, 0) }
```

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

```
.border{ border-color:rgb(166, 51, 0) }
```

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

Here you see how a box with a 4 pixel rgb(166, 51, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 51, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.4746, 0.5930, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 51, 0) }
```

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

```
.background{ background-color: rgb(166, 51,  
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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