

Converting Colors

$Y_{xy}(10.7137, 0.5884, 0.3710)$

Have a look what the booklet for
Yxy(10.7137, 0.5884, 0.3710)
contains.

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Color

Yxy(10.7453, 0.5884, 0.3710)

Conversions

Conversions Part 1

Format	Color
Hex	A63600
RGB	166, 54, 0
RGB Percent	65%, 21%, 0%
CMY	0.3491, 0.7881, 1.0000
CMYK	0.00, 0.67, 1.00, 0.35
HSL	20°, 100%, 33%
HSV	20°, 100%, 65%
XYZ	17.0419, 10.7453, 1.1759
YIQ	81.3320, 84.0860, 6.9500

Conversions

Conversions Part 2

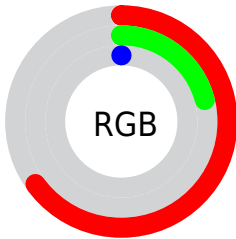
Format	Color
RYB	166, 80, 0
Decimal	10892800
CIELab	39.15, 44.24, 50.88
CIELCh	39, 67.418, 48.993
Yxy	10.7453, 0.5884, 0.3710
Android (android.graphics.Color)	4289082880 (0xFFA63600)
YUV	81.3320, -40.0967, 74.2538
Hunter-Lab	32.7800, 35.4346, 20.8191

Details

The Yxy color **10.7453, 0.5884, 0.3710** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.3302, 0.1944, 0.2199**, and the grayscale version is **8.3687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0591, 0.5289, 0.3787**, and **3.0033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **10.7457, 0.5884, 0.3710**, and if you desaturate by 10%, it is **11.9505, 0.5616, 0.3787**.

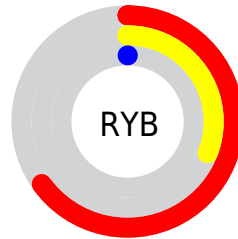
Distribution



Red (65%)

Green (21%)

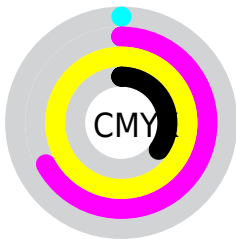
Blue (0%)



Red (65%)

Yellow (31%)

Blue (0%)

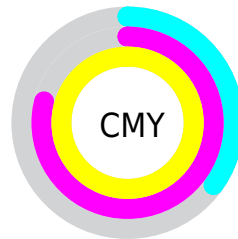


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (79%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7453, 0.5884, 0.3710 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 10.7453, 0.5884, 0.3710 by changing the saturation by 10% instead.


 10.7453, 0.5884,
0.3710


 10.7453, 0.5884,
0.3710


 195.9117, 0.4294,
0.3680


 5.8958, 0.6373,
0.3627

 27.1882, 0.5287,
0.3789


 2.7818, 0.6721,
0.3279

 39.5505, 0.5063,
0.3786


 1.0189, 0.7263,
0.2737

 55.1857, 0.4877,
0.3774

 0.0000, 1.0000,
0.0000


 74.4785, 0.4721,
0.3756

 0.0000, 0.0000,
0.0000

 97.8130, 0.4589,
0.3737

 125.5738, 0.4476,


0.3718


 158.1453, 0.4378,
0.3698


 10.7453, 0.5884,
0.3710

 10.7453, 0.5884,
0.3710


 10.7457, 0.5884,
0.3710

 11.9505, 0.5616,
0.3787

 13.4427, 0.5299,
0.3827

 15.2498, 0.4950,
0.3822

 17.3907, 0.4599,
0.3780

 19.8824, 0.4268,
0.3712

■ 22.7406, 0.3970,
0.3631

■ 25.9803, 0.3708,
0.3543

■ 29.6153, 0.3482,
0.3455

■ 33.6587, 0.3290,
0.3370

Harmonies

Analogous

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



10.7453, 0.5645, 0.2912



10.7453, 0.5884, 0.3710



10.7453, 0.5247, 0.4713

Triad

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



10.7453, 0.5884, 0.3710



10.7453, 0.1733, 0.4852



10.7453, 0.1694, 0.1367

Complementary

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



10.7453, 0.5884, 0.3710



14.3302, 0.1944, 0.2199

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.



10.7453, 0.1130, 0.1405



10.7453, 0.5884, 0.3710



10.7453, 0.1095, 0.2939

Square

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



10.7453, 0.5884, 0.3710



10.7453, 0.2835, 0.6143



10.7453, 0.0940, 0.1835



10.7453, 0.2776, 0.1632

Rectangle

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



10.7453, 0.5884, 0.3710



10.7453, 0.4520, 0.5448



10.7453, 0.0940, 0.1835



10.7453, 0.1456, 0.1345

Sweetspot

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



10.7459, 0.5884, 0.3710



46.8170, 0.3721, 0.3548



9.3065, 0.4200, 0.2087



9.9274, 0.3824, 0.3584



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.



10.7459, 0.5884, 0.3710



19.1635, 0.5916, 0.3685



25.5866, 0.4556, 0.4765



7.9263, 0.3278, 0.3364



8.4122, 0.5868, 0.3723



0.2971, 0.5240, 0.4222

Inverse Universe

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



14.3302, 0.1944, 0.2199



25.6147, 0.1938, 0.2178



3.7030, 0.1550, 0.0780



8.1142, 0.2987, 0.3215



11.2027, 0.1947, 0.2210



0.3596, 0.2058, 0.2609

Previews

White Background



This preview shows how the Yxy color 10.7453, 0.5884, 0.3710 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

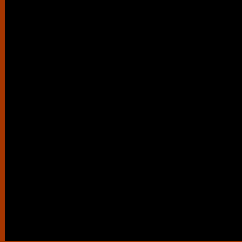
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7453, 0.5884, 0.3710

Background



This preview shows how black text looks on a background with the Yxy color 10.7453, 0.5884, 0.3710.



This preview shows how white text looks on a background with the Yxy color 10.7453, 0.5884, 0.3710.

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

10.7453, 0.5884, 0.3710

Protanopia

11.0523, 0.4289, 0.4770

Deuteranopia

10.9963, 0.4683, 0.4663



Tritanopia

10.7537, 0.5372, 0.3260

Trichromacy



Original Color

10.7453, 0.5884, 0.3710

Protanomaly

10.1282, 0.4962, 0.4329

Deuteranomaly

10.3198, 0.5191, 0.4260

Tritanomaly

10.6986, 0.5658, 0.3477

Monochromacy



Original Color

10.7453, 0.5884, 0.3710

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.1992, 0.4327, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7453, 0.5884, 0.3710 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, 54, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 54, 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, 54, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 54, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.7453, 0.5884, 0.3710 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, 54, 0) }
```

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

```
.border{ border-color:rgb(166, 54, 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, 54, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 54, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 54, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 54, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7453, 0.5884, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 54, 0) }
```

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

```
.background{ background-color: rgb(166, 54,  
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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