

Converting Colors

$Y_{xy}(12.0274, 0.5914, 0.3686)$

Have a look what the booklet for
Yxy(12.0274, 0.5914, 0.3686)
contains.

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Color

$Y_{xy}(12.0585, 0.5910, 0.3689)$

Conversions

Conversions Part 1

Format	Color
Hex	B03800
RGB	176, 56, 0
RGB Percent	69%, 22%, 0%
CMY	0.3098, 0.7803, 0.9998
CMYK	0.00, 0.68, 1.00, 0.31
HSL	19°, 100%, 35%
HSV	19°, 100%, 69%
XYZ	19.3184, 12.0585, 1.3108
YIQ	85.4960, 89.4960, 8.0240

Conversions

Conversions Part 2

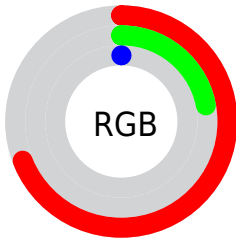
Format	Color
R_{YB}	176, 82, 0
Decimal	11548672
CIE _{Lab}	41.31, 46.96, 52.97
CIE _{LCh}	41, 70.787, 48.444
Yxy	12.0585, 0.5910, 0.3689
Android (android.graphics.Color)	4289738752 (0xFFB03800)
YUV	85.4960, -42.1495, 79.3720
Hunter-Lab	34.7254, 38.5339, 22.0697

Details

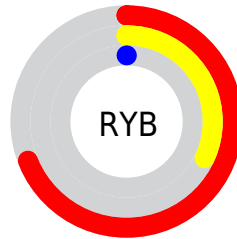
The Yxy color **12.0585, 0.5910, 0.3689** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.5769, 0.1950, 0.2221**, and the grayscale version is **9.2727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5543, 0.5331, 0.3775**, and **3.6448, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.0556, 0.5911, 0.3689**, and if you desaturate by 10%, it is **13.4081, 0.5644, 0.3769**.

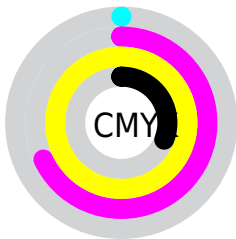
Distribution



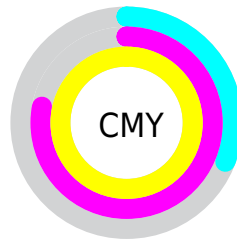
- Red (69%)
- Green (22%)
- Blue (0%)



- Red (69%)
- Yellow (32%)
- Blue (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (100%)
- Black (31%)




- Cyan (31%)
- Magenta (78%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0585, 0.5910, 0.3689 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 12.0585, 0.5910, 0.3689 by changing the saturation by 10% instead.


 12.0585, 0.5910,
0.3689


 12.0585, 0.5910,
0.3689


 204.7922, 0.4333,
0.3680


 6.7835, 0.6366,
0.3597


 29.6016, 0.5327,
0.3774


 3.3271, 0.6721,
0.3279

 42.6385, 0.5106,
0.3775

 1.3048, 0.7224,
0.2776

 59.0316, 0.4921,
0.3766


 0.1449, 0.9041,
0.0959

 79.1651, 0.4765,
0.3751

 0.0000, 1.0000,
0.0000

 103.4235, 0.4632,
0.3734


 0.0000, 0.0000,
0.0000


 132.1913, 0.4518,


0.3716


 165.8527, 0.4419,
0.3698

 12.0585, 0.5910,
0.3689

 12.0585, 0.5910,
0.3689


 12.0556, 0.5911,
0.3689

 13.4081, 0.5644,
0.3769

 15.0921, 0.5325,
0.3813

 17.1427, 0.4972,
0.3810

 19.5822, 0.4616,
0.3770

 22.4309, 0.4280,
0.3704

■ 25.7076, 0.3977,
0.3624

■ 29.4298, 0.3712,
0.3538

■ 33.6139, 0.3484,
0.3452

■ 38.2756, 0.3291,
0.3368

Harmonies

Analogous

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



12.0585, 0.5653, 0.2891



12.0585, 0.5910, 0.3689



12.0585, 0.5264, 0.4685

Triad

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



12.0585, 0.5910, 0.3689



12.0585, 0.1735, 0.4907



12.0585, 0.1668, 0.1353

Complementary

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



12.0585, 0.5910, 0.3689



16.5769, 0.1950, 0.2221

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.



12.0585, 0.1111, 0.1396



12.0585, 0.5910, 0.3689



12.0585, 0.1087, 0.2961

Square

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



12.0585, 0.5910, 0.3689



12.0585, 0.2848, 0.6180



12.0585, 0.0926, 0.1834



12.0585, 0.2747, 0.1613

Rectangle

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



12.0585, 0.5910, 0.3689



12.0585, 0.4535, 0.5428



12.0585, 0.0926, 0.1834



12.0585, 0.1433, 0.1332

Sweetspot

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



12.0592, 0.5910, 0.3689



52.9818, 0.3726, 0.3543



10.5937, 0.4205, 0.2090



10.8631, 0.3831, 0.3579



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



12.0592, 0.5910, 0.3689



21.5044, 0.5941, 0.3665



29.0977, 0.4557, 0.4763



8.9318, 0.3279, 0.3363



8.9407, 0.5892, 0.3704



0.3891, 0.5338, 0.4143

Inverse Universe

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



16.5769, 0.1950, 0.2221



29.6331, 0.1945, 0.2201



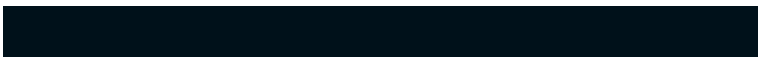
4.1845, 0.1549, 0.0775



9.1666, 0.2986, 0.3216



12.2689, 0.1954, 0.2233



0.4855, 0.2045, 0.2563

Previews

White Background



This preview shows how the Yxy color 12.0585, 0.5910, 0.3689 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



This preview shows how the Yxy color 12.0585, 0.5910, 0.3689 looks on a 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 12.0585, 0.5910, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 12.0585, 0.5910, 0.3689.



This preview shows how white text looks on a background with the Yxy color 12.0585, 0.5910, 0.3689.

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

12.0585, 0.5910, 0.3689

Protanopia

12.3502, 0.4300, 0.4769

Deuteranopia

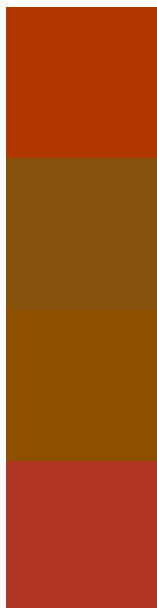
12.2905, 0.4677, 0.4668



Tritanopia

12.0789, 0.5416, 0.3263

Trichromacy



Original Color

12.0585, 0.5910, 0.3689

Protanomaly

11.3640, 0.4988, 0.4311

Deuteranomaly

11.5770, 0.5208, 0.4247

Tritanomaly

12.0147, 0.5697, 0.3473

Monochromacy



Original Color

12.0585, 0.5910, 0.3689

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.2299, 0.4348, 0.3711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0585, 0.5910, 0.3689 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(176, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 56, 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(176, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 56, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.0585, 0.5910, 0.3689 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(176, 56, 0) }
```

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

```
.border{ border-color:rgb(176, 56, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 56, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 56, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0585, 0.5910, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 56, 0) }
```

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

```
.background{ background-color: rgb(176, 56,  
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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