

Converting Colors

$Y_{xy}(12.5948, 0.5801, 0.3776)$

Have a look what the booklet for
Yxy(12.5948, 0.5801, 0.3776)
contains.

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Color

Yxy(12.6690, 0.5800, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	AF3F00
RGB	175, 63, 0
RGB Percent	69%, 25%, 0%
CMY	0.3138, 0.7529, 1.0000
CMYK	0.00, 0.64, 1.00, 0.31
HSL	22°, 100%, 34%
HSV	22°, 100%, 69%
XYZ	19.4546, 12.6690, 1.4188
YIQ	89.3060, 86.9750, 4.1510

Conversions

Conversions Part 2

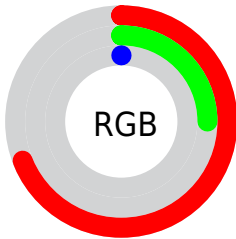
Format	Color
RYB	175, 98, 0
Decimal	11484928
CIELab	42.26, 43.55, 53.38
CIELCh	42, 68.892, 50.796
Yxy	12.6690, 0.5800, 0.3777
Android (android.graphics.Color)	4289675008 (0xFFAF3F00)
YUV	89.3060, -44.0279, 75.1536
Hunter-Lab	35.5935, 35.2755, 22.5520

Details

The Yxy color **12.6690, 0.5800, 0.3777** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.6759, 0.1909, 0.2071**, and the grayscale version is **10.1485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7144, 0.5252, 0.3834**, and **3.6208, 0.6378, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **12.6698, 0.5800, 0.3777**, and if you desaturate by 10%, it is **14.0812, 0.5542, 0.3855**.

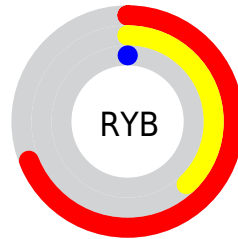
Distribution



Red (69%)

Green (25%)

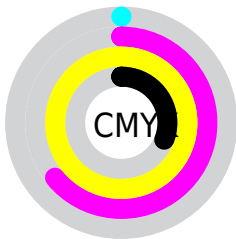
Blue (0%)



Red (69%)

Yellow (38%)

Blue (0%)

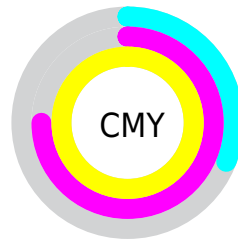


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (75%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.6690, 0.5800, 0.3777 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 12.6690, 0.5800, 0.3777 by changing the saturation by 10% instead.


 12.6690, 0.5800,
0.3777

 12.6690, 0.5800,
0.3777


 208.7853, 0.4294,
0.3707

 7.2010, 0.6220,
0.3700


 30.7078, 0.5245,
0.3834


 3.5881, 0.6575,
0.3425

 44.0475, 0.5034,
0.3826


 1.4459, 0.7039,
0.2961

 60.7798, 0.4857,
0.3810

 0.2502, 0.8474,
0.1526

 81.2892, 0.4708,
0.3790

 0.0000, 1.0000,
0.0000


 105.9600, 0.4581,
0.3769


 0.0000, 0.0000,
0.0000


 135.1767, 0.4471,

0.3747


 169.3237, 0.4377,
0.3727


 12.6690, 0.5800,
0.3777

 12.6690, 0.5800,
0.3777

 12.6698, 0.5800,
0.3777

 14.0812, 0.5542,
0.3855

 15.7962, 0.5240,
0.3893

 17.8426, 0.4906,
0.3883

 20.2392, 0.4570,
0.3834

 23.0034, 0.4250,
0.3758

■ 26.1511, 0.3960,
0.3667

■ 29.6972, 0.3703,
0.3570

■ 33.6557, 0.3481,
0.3473

■ 38.0399, 0.3290,
0.3379

Harmonies

Analogous

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



12.6690, 0.5617, 0.2979



12.6690, 0.5800, 0.3777



12.6690, 0.5129, 0.4744

Triad

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



12.6690, 0.5800, 0.3777



12.6690, 0.1725, 0.4680



12.6690, 0.1777, 0.1415

Complementary

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



12.6690, 0.5800, 0.3777



14.6759, 0.1909, 0.2071

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.



12.6690, 0.1193, 0.1436



12.6690, 0.5800, 0.3777



12.6690, 0.1121, 0.2870

Square

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



12.6690, 0.5800, 0.3777



12.6690, 0.2792, 0.6017



12.6690, 0.0985, 0.1836



12.6690, 0.2871, 0.1694

Rectangle

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



12.6690, 0.5800, 0.3777



12.6690, 0.4410, 0.5435



12.6690, 0.0985, 0.1836



12.6690, 0.1532, 0.1387

Sweetspot

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



12.6698, 0.5800, 0.3777



52.8474, 0.3716, 0.3575



10.3216, 0.4334, 0.2161



11.1465, 0.3818, 0.3616



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.



12.6698, 0.5800, 0.3777



22.3173, 0.5829, 0.3753



30.5252, 0.4484, 0.4822



8.4699, 0.3278, 0.3372



9.1822, 0.5779, 0.3793



0.3610, 0.5203, 0.4250

Inverse Universe

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



14.6759, 0.1909, 0.2071



25.8602, 0.1902, 0.2049



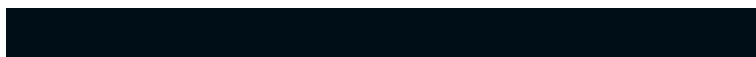
3.8445, 0.1536, 0.0728



8.5795, 0.2986, 0.3206



10.6311, 0.1913, 0.2086



0.3945, 0.2026, 0.2493

Previews

White Background



This preview shows how the Yxy color 12.6690, 0.5800, 0.3777 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 12.6690, 0.5800, 0.3777 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 12.6690, 0.5800, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 12.6690, 0.5800, 0.3777.



This preview shows how white text looks on a background with the Yxy color 12.6690, 0.5800, 0.3777.

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

12.6690, 0.5800, 0.3777

Protanopia

12.8617, 0.4305, 0.4785

Deuteranopia

12.8778, 0.4684, 0.4663



Tritanopia

12.7058, 0.5217, 0.3259

Trichromacy



Original Color

12.6690, 0.5800, 0.3777

Protanomaly

12.0748, 0.4931, 0.4371

Deuteranomaly

12.2699, 0.5141, 0.4300

Tritanomaly

12.6083, 0.5555, 0.3522

Monochromacy



Original Color

12.6690, 0.5800, 0.3777

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.0258, 0.4270, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6690, 0.5800, 0.3777 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(175, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 63, 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(175, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 63, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.6690, 0.5800, 0.3777 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(175, 63, 0) }
```

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

```
.border{ border-color:rgb(175, 63, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 63, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 63, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6690, 0.5800, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 63, 0) }
```

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

```
.background{ background-color: rgb(175, 63,  
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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