

Converting Colors

$Y_{xy}(11.2510, 0.6122, 0.3878)$

Have a look what the booklet for
Yxy(11.2510, 0.6122, 0.3878)
contains.

Yxy(11.3744, 0.5877, 0.3716)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.3744, 0.5877, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	AA3800
RGB	170, 56, 0
RGB Percent	67%, 22%, 0%
CMY	0.3334, 0.7803, 1.0000
CMYK	0.00, 0.67, 1.00, 0.33
HSL	20°, 100%, 33%
HSV	20°, 100%, 67%
XYZ	17.9891, 11.3744, 1.2458
YIQ	83.7020, 85.9200, 6.7520

Conversions

Conversions Part 2

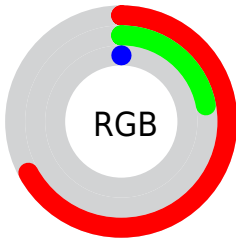
Format	Color
RYB	170, 84, 0
Decimal	11155456
CIELab	40.20, 44.81, 51.84
CIElCh	40, 68.523, 49.155
Yxy	11.3744, 0.5877, 0.3716
Android (android.graphics.Color)	4289345536 (0xFFAA3800)
YUV	83.7020, -41.2651, 75.6833
Hunter-Lab	33.7260, 36.1896, 21.4181

Details

The Yxy color **11.3744, 0.5877, 0.3716** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.9268, 0.1940, 0.2182**, and the grayscale version is **8.8766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.3151, 0.5297, 0.3785**, and **3.2512, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.3752, 0.5877, 0.3716**, and if you desaturate by 10%, it is **12.6494, 0.5611, 0.3794**.

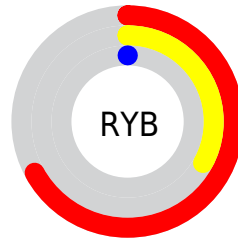
Distribution



Red (67%)

Green (22%)

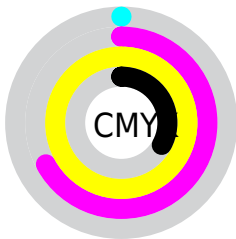
Blue (0%)



Red (67%)

Yellow (33%)

Blue (0%)

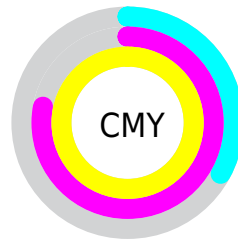


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3744, 0.5877, 0.3716 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 11.3744, 0.5877, 0.3716 by changing the saturation by 10% instead.


 11.3744, 0.5877,
0.3716


 11.3744, 0.5877,
0.3716


 200.2185, 0.4304,
0.3685


 6.3193, 0.6354,
0.3636


 28.3504, 0.5291,
0.3793

 3.0402, 0.6696,
0.3304


 41.0401, 0.5070,
0.3790


 1.1527, 0.7215,
0.2785


 57.0435, 0.4885,
0.3778

 0.0226, 0.9807,
0.0193

 76.7448, 0.4730,
0.3761


 0.0000, 1.0000,
0.0000

 100.5286, 0.4599,
0.3742

 0.0000, 0.0000,
0.0000


 128.7792, 0.4486,


0.3722


 161.8810, 0.4389,
0.3703


 11.3744, 0.5877,
0.3716

 11.3744, 0.5877,
0.3716


 11.3752, 0.5877,
0.3716

 12.6494, 0.5611,
0.3794

 14.2255, 0.5296,
0.3835

 16.1317, 0.4949,
0.3830

 18.3877, 0.4599,
0.3787

 21.0115, 0.4268,
0.3718

■ 24.0194, 0.3970,
0.3635

■ 27.4271, 0.3708,
0.3546

■ 31.2489, 0.3483,
0.3457

■ 35.4986, 0.3290,
0.3371

Harmonies

Analogous

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



11.3744, 0.5643, 0.2918



11.3744, 0.5877, 0.3716



11.3744, 0.5231, 0.4711

Triad

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



11.3744, 0.5877, 0.3716



11.3744, 0.1732, 0.4837



11.3744, 0.1701, 0.1371

Complementary

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



11.3744, 0.5877, 0.3716



14.9268, 0.1940, 0.2182

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.



11.3744, 0.1135, 0.1408



11.3744, 0.5877, 0.3716



11.3744, 0.1097, 0.2932

Square

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



11.3744, 0.5877, 0.3716



11.3744, 0.2831, 0.6132



11.3744, 0.0944, 0.1834



11.3744, 0.2785, 0.1638

Rectangle

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



11.3744, 0.5877, 0.3716



11.3744, 0.4504, 0.5440



11.3744, 0.0944, 0.1834



11.3744, 0.1463, 0.1348

Sweetspot

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



11.3752, 0.5877, 0.3716



49.4182, 0.3722, 0.3551



9.8089, 0.4202, 0.2088



10.4393, 0.3825, 0.3588



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



11.3752, 0.5877, 0.3716



20.2870, 0.5908, 0.3691



26.9575, 0.4556, 0.4764



7.9312, 0.3278, 0.3365



8.4621, 0.5857, 0.3731



0.2989, 0.5230, 0.4229

Inverse Universe

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



14.9268, 0.1940, 0.2182



26.6750, 0.1934, 0.2161



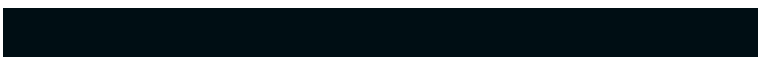
3.8902, 0.1550, 0.0778



8.1091, 0.2987, 0.3214



11.0876, 0.1943, 0.2196



0.3574, 0.2056, 0.2600

Previews

White Background



This preview shows how the Yxy color 11.3744, 0.5877, 0.3716 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 11.3744, 0.5877, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

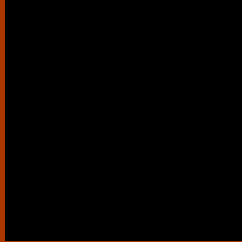
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3744, 0.5877, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 11.3744, 0.5877, 0.3716.



This preview shows how white text looks on a background with the Yxy color 11.3744, 0.5877, 0.3716.

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

11.3744, 0.5877, 0.3716

Protanopia

11.5976, 0.4305, 0.4766

Deuteranopia

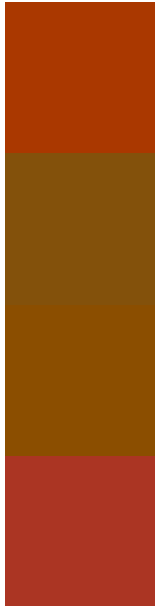
11.5471, 0.4690, 0.4658



Tritanopia

11.3897, 0.5357, 0.3261

Trichromacy



Original Color

11.3744, 0.5877, 0.3716

Protanomaly

10.7343, 0.4978, 0.4322

Deuteranomaly

10.9377, 0.5200, 0.4253

Tritanomaly

11.3255, 0.5652, 0.3484

Monochromacy



Original Color

11.3744, 0.5877, 0.3716

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.7994, 0.4326, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3744, 0.5877, 0.3716 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(170, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 56, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.3744, 0.5877, 0.3716 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(170, 56, 0) }
```

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

```
.border{ border-color:rgb(170, 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(170, 56, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 56, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.3744, 0.5877, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 56, 0) }
```

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

```
.background{ background-color: rgb(170, 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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