

Converting Colors

$Y_{xy}(11.5611, 0.6182, 0.3818)$

Have a look what the booklet for
Yxy(11.5611, 0.6182, 0.3818)
contains.

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Color

Yxy(11.6602, 0.5948, 0.3659)

Conversions

Conversions Part 1

Format	Color
Hex	AF3500
RGB	175, 53, 0
RGB Percent	69%, 21%, 0%
CMY	0.3137, 0.7922, 0.9999
CMYK	0.00, 0.70, 1.00, 0.31
HSL	18°, 100%, 34%
HSV	18°, 100%, 69%
XYZ	18.9546, 11.6602, 1.2524
YIQ	83.4360, 89.7250, 9.3810

Conversions

Conversions Part 2

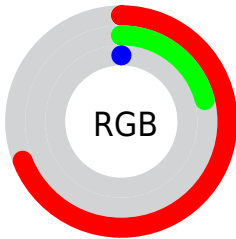
Format	Color
RYB	175, 76, 0
Decimal	11482368
CIELab	40.67, 47.85, 52.56
CIELCh	41, 71.080, 47.687
Yxy	11.6602, 0.5948, 0.3659
Android (android.graphics.Color)	4289672448 (0xFFAF3500)
YUV	83.4360, -41.1339, 80.3016
Hunter-Lab	34.1470, 39.3258, 21.7284

Details

The Yxy color **11.6602, 0.5948, 0.3659** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.0269, 0.1966, 0.2276**, and the grayscale version is **8.8161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9589, 0.5345, 0.3758**, and **3.5107, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.6590, 0.5948, 0.3659**, and if you desaturate by 10%, it is **12.9606, 0.5680, 0.3739**.

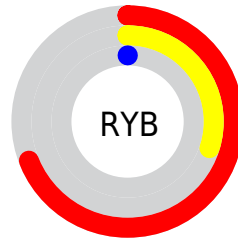
Distribution



Red (69%)

Green (21%)

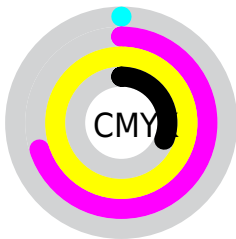
Blue (0%)



Red (69%)

Yellow (30%)

Blue (0%)

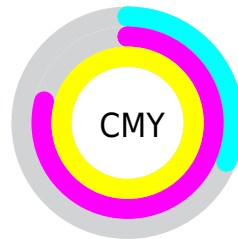


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (79%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6602, 0.5948, 0.3659 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 11.6602, 0.5948, 0.3659 by changing the saturation by 10% instead.


 11.6602, 0.5948,
0.3659


 11.6602, 0.5948,
0.3659


 202.1426, 0.4343,
0.3671


 6.5127, 0.6424,
0.3563


 28.8747, 0.5353,
0.3754


 3.1593, 0.6776,
0.3224

 41.7105, 0.5127,
0.3758

 1.2155, 0.7297,
0.2703

 57.8779, 0.4939,
0.3750

 0.0743, 0.9461,
0.0539

 77.7613, 0.4780,
0.3737


 0.0000, 1.0000,
0.0000


 101.7451, 0.4646,
0.3721

 0.0000, 0.0000,
0.0000

 130.2136, 0.4530,


0.3704

 163.5513, 0.4430,
0.3687


 11.6602, 0.5948,
0.3659


 11.6602, 0.5948,
0.3659


 11.6590, 0.5948,
0.3659

 12.9606, 0.5680,
0.3739

 14.6008, 0.5356,
0.3784

 16.6138, 0.4995,
0.3783

 19.0230, 0.4632,
0.3746

 21.8496, 0.4290,
0.3685

■ 25.1130, 0.3983,
0.3608

■ 28.8316, 0.3715,
0.3526

■ 33.0223, 0.3486,
0.3444

■ 37.7015, 0.3291,
0.3365

Harmonies

Analogous

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



11.6602, 0.5666, 0.2861



11.6602, 0.5948, 0.3659



11.6602, 0.5314, 0.4667

Triad

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



11.6602, 0.5948, 0.3659



11.6602, 0.1738, 0.4987



11.6602, 0.1632, 0.1332

Complementary

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



11.6602, 0.5948, 0.3659



17.0269, 0.1966, 0.2276

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.



11.6602, 0.1084, 0.1382



11.6602, 0.5948, 0.3659



11.6602, 0.1074, 0.2993

Square

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



11.6602, 0.5948, 0.3659



11.6602, 0.2864, 0.6234



11.6602, 0.0906, 0.1833



11.6602, 0.2705, 0.1586

Rectangle

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



11.6602, 0.5948, 0.3659



11.6602, 0.4576, 0.5424



11.6602, 0.0906, 0.1833



11.6602, 0.1400, 0.1313

Sweetspot

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



11.6609, 0.5948, 0.3659



51.2513, 0.3729, 0.3531



10.5340, 0.4141, 0.2055



10.7614, 0.3835, 0.3565



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.



11.6609, 0.5948, 0.3659



20.5412, 0.5978, 0.3636



27.8762, 0.4595, 0.4733



8.3959, 0.3279, 0.3359



8.4449, 0.5928, 0.3675



0.3324, 0.5334, 0.4146

Inverse Universe

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



17.0269, 0.1966, 0.2276



30.0850, 0.1960, 0.2257



4.2993, 0.1556, 0.0802



8.6566, 0.2986, 0.3220



12.3019, 0.1969, 0.2289



0.4324, 0.2063, 0.2628

Previews

White Background



This preview shows how the Yxy color 11.6602, 0.5948, 0.3659 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 11.6602, 0.5948, 0.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

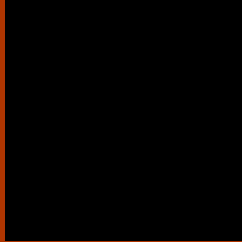
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6602, 0.5948, 0.3659

Background



This preview shows how black text looks on a background with the Yxy color 11.6602, 0.5948, 0.3659.



This preview shows how white text looks on a background with the Yxy color 11.6602, 0.5948, 0.3659.

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

11.6602, 0.5948, 0.3659

Protanopia

11.8476, 0.4299, 0.4761

Deuteranopia

11.7919, 0.4686, 0.4661



Tritanopia

11.6747, 0.5486, 0.3264

Trichromacy



Original Color

11.6602, 0.5948, 0.3659

Protanomaly

10.8979, 0.5000, 0.4297

Deuteranomaly

11.1115, 0.5224, 0.4234

Tritanomaly

11.6211, 0.5749, 0.3458

Monochromacy



Original Color

11.6602, 0.5948, 0.3659

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.6048, 0.4369, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6602, 0.5948, 0.3659 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, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 53, 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, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 53, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.6602, 0.5948, 0.3659 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, 53, 0) }
```

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

```
.border{ border-color:rgb(175, 53, 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, 53, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 53, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6602, 0.5948, 0.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 53, 0) }
```

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

```
.background{ background-color: rgb(175, 53,  
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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