

Converting Colors

$Y_{xy}(11.5561, 0.6277, 0.3723)$

Have a look what the booklet for
Yxy(11.5561, 0.6277, 0.3723)
contains.

Yxy(11.7363, 0.6049, 0.3579)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.7363, 0.6049, 0.3579)

Conversions

Conversions Part 1

Format	Color
Hex	B42F00
RGB	180, 47, 0
RGB Percent	71%, 18%, 0%
CMY	0.2942, 0.8155, 1.0000
CMYK	0.00, 0.74, 1.00, 0.29
HSL	16°, 100%, 35%
HSV	16°, 100%, 71%
XYZ	19.8360, 11.7363, 1.2199
YIQ	81.4090, 94.3550, 13.5790

Conversions

Conversions Part 2

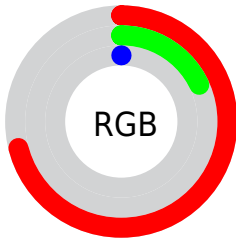
Format	Color
R_{YB}	180, 64, 0
Decimal	11808512
CIE _{Lab}	40.79, 51.78, 53.17
CIE _{LCh}	41, 74.215, 45.759
Yxy	11.7363, 0.6049, 0.3579
Android (android.graphics.Color)	4289998592 (0xFFB42F00)
YUV	81.4090, -40.1346, 86.4643
Hunter-Lab	34.2583, 43.4016, 21.8696

Details

The Yxy color **11.7363, 0.6049, 0.3579** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **20.0557, 0.2006, 0.2421**, and the grayscale version is **8.3841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9929, 0.5446, 0.3698**, and **3.8516, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.7369, 0.6049, 0.3579**, and if you desaturate by 10%, it is **13.0112, 0.5780, 0.3658**.

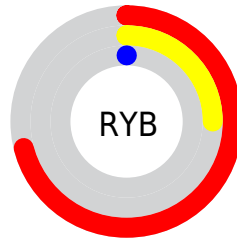
Distribution



Red (71%)

Green (18%)

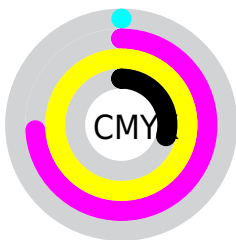
Blue (0%)



Red (71%)

Yellow (25%)

Blue (0%)

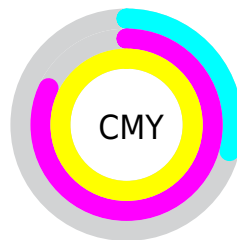


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (82%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7363, 0.6049, 0.3579 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 11.7363, 0.6049, 0.3579 by changing the saturation by 10% instead.


 11.7363, 0.6049,
0.3579


 11.7363, 0.6049,
0.3579


 202.6516, 0.4392,
0.3649


 6.5644, 0.6536,
0.3464


 29.0139, 0.5438,
0.3699


 3.1912, 0.6893,
0.3107

 41.8884, 0.5205,
0.3712

 1.2323, 0.7428,
0.2572

 58.0992, 0.5010,
0.3711

 0.0879, 0.9431,
0.0569

 78.0307, 0.4846,
0.3703


 0.0000, 1.0000,
0.0000

 102.0673, 0.4706,
0.3691

 0.0000, 0.0000,
0.0000


 130.5934, 0.4586,

0.3678


 163.9934, 0.4483,
0.3664

 11.7363, 0.6049,
0.3579


 11.7363, 0.6049,
0.3579


 11.7369, 0.6049,
0.3579

 13.0112, 0.5780,
0.3658

 14.6761, 0.5444,
0.3706

 16.7709, 0.5066,
0.3712

 19.3245, 0.4683,
0.3684

 22.3635, 0.4324,
0.3632

■ 25.9119, 0.4004,
0.3566

■ 29.9924, 0.3726,
0.3495

■ 34.6261, 0.3491,
0.3424

■ 39.8329, 0.3293,
0.3355

Harmonies

Analogous

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



11.7363, 0.5700, 0.2782



11.7363, 0.6049, 0.3579



11.7363, 0.5412, 0.4588

Triad

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



11.7363, 0.6049, 0.3579



11.7363, 0.1742, 0.5206



11.7363, 0.1538, 0.1276

Complementary

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



11.7363, 0.6049, 0.3579



20.0557, 0.2006, 0.2421

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.



11.7363, 0.1013, 0.1345



11.7363, 0.6049, 0.3579



11.7363, 0.1040, 0.3080

Square

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



11.7363, 0.6049, 0.3579



11.7363, 0.2904, 0.6370



11.7363, 0.0852, 0.1830



11.7363, 0.2595, 0.1514

Rectangle

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



11.7363, 0.6049, 0.3579



11.7363, 0.4642, 0.5358



11.7363, 0.0852, 0.1830



11.7363, 0.1314, 0.1263

Sweetspot

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



11.7370, 0.6049, 0.3579



53.9896, 0.3740, 0.3499



11.4501, 0.3961, 0.1956



10.9844, 0.3850, 0.3529



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



11.7370, 0.6049, 0.3579



20.9645, 0.6077, 0.3557



27.0256, 0.4716, 0.4638



8.8544, 0.3281, 0.3350



8.2887, 0.6028, 0.3596



0.3577, 0.5476, 0.4034

Inverse Universe

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



20.0557, 0.2006, 0.2421



35.9749, 0.2002, 0.2405



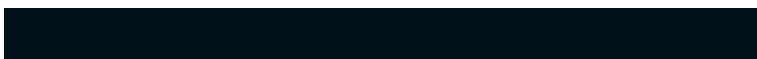
5.1711, 0.1581, 0.0891



9.2482, 0.2986, 0.3229



14.1141, 0.2009, 0.2433



0.5326, 0.2083, 0.2699

Previews

White Background



This preview shows how the Yxy color 11.7363, 0.6049, 0.3579 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

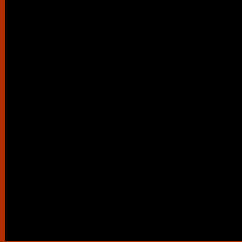
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7363, 0.6049, 0.3579

Background



This preview shows how black text looks on a background with the Yxy color 11.7363, 0.6049, 0.3579.



This preview shows how white text looks on a background with the Yxy color 11.7363, 0.6049, 0.3579.

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

11.7363, 0.6049, 0.3579

Protanopia

12.1009, 0.4293, 0.4755

Deuteranopia

11.8652, 0.4701, 0.4650



Tritanopia

11.8146, 0.5686, 0.3288

Trichromacy



Original Color

11.7363, 0.6049, 0.3579

Protanomaly

10.7719, 0.5060, 0.4239

Deuteranomaly

11.0982, 0.5299, 0.4175

Tritanomaly

11.7892, 0.5881, 0.3429

Monochromacy



Original Color

11.7363, 0.6049, 0.3579

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.2861, 0.4445, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7363, 0.6049, 0.3579 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(180, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 47, 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(180, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 47, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.7363, 0.6049, 0.3579 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(180, 47, 0) }
```

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

```
.border{ border-color:rgb(180, 47, 0) }
```

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

Here you see how a box with a 4 pixel rgb(180, 47, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 47, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.7363, 0.6049, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 47, 0) }
```

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

```
.background{ background-color: rgb(180, 47,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor