

Converting Colors

$Yxy(17.6806, 0.5994, 0.3558)$

Have a look what the booklet for
Yxy(17.6806, 0.5994, 0.3558)
contains.

Yxy(17.6041, 0.5994, 0.3558)	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(17.6041, 0.5994, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	D73B0D
RGB	215, 59, 13
RGB Percent	84%, 23%, 5%
CMY	0.1569, 0.7685, 0.9489
CMYK	0.00, 0.73, 0.94, 0.16
HSL	14°, 89%, 45%
HSV	14°, 94%, 84%
XYZ	29.6568, 17.6041, 2.2166
YIQ	100.4000, 107.7420, 18.7660

Conversions

Conversions Part 2

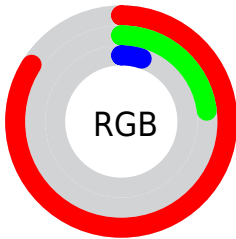
Format	Color
R_{YB}	215, 73, 13
Decimal	14105357
CIE Lab	49.01, 58.90, 57.48
CIE LCh	49, 82.302, 44.299
Yxy	17.6041, 0.5994, 0.3558
Android (android.graphics.Color)	4292295437 (0xFFD73B0D)
YUV	100.4000, -43.0882, 100.5042
Hunter-Lab	41.9572, 52.7448, 26.2378

Details

The Yxy color **17.6041, 0.5994, 0.3558** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **33.3561, 0.2058, 0.2580**, and the grayscale version is **12.9488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1441, 0.5280, 0.3719**, and **6.5793, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.6387, 0.6138, 0.3508**, and if you desaturate by 10%, it is **19.6820, 0.5688, 0.3626**.

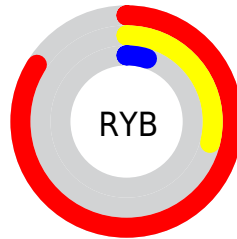
Distribution



Red (84%)

Green (23%)

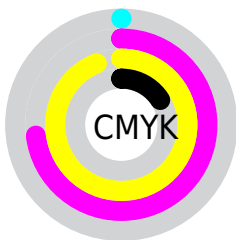
Blue (5%)



Red (84%)

Yellow (29%)

Blue (5%)

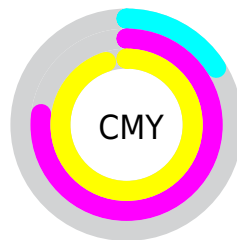


Cyan (0%)

Magenta (73%)

Yellow (94%)

Black (16%)



Cyan (16%)


Magenta (77%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6041, 0.5994, 0.3558 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 17.6041, 0.5994, 0.3558 by changing the saturation by 10% instead.


 17.6041, 0.5994,
0.3558


 17.6041, 0.5994,
0.3558


238.6300, 0.4451,
0.3635


 10.6661, 0.6348,
0.3432


 39.3616, 0.5443,
0.3662


 5.8428, 0.6780,
0.3220

 54.9498, 0.5229,
0.3676


 2.7497, 0.7187,
0.2813

 74.1903, 0.5047,
0.3679

 1.0025, 0.7785,
0.2215

 97.4674, 0.4892,
0.3675


 0.0000, 1.0000,
0.0000


 125.1656, 0.4758,
0.3667


 0.0000, 0.0000,
0.0000

 157.6691, 0.4642,


0.3657

 195.3625, 0.4541,
0.3646

 17.6041, 0.5994,
0.3558

 17.6041, 0.5994,
0.3558


 16.6387, 0.6138,
0.3508

 19.6820, 0.5688,
0.3626

 22.4258, 0.5310,
0.3655

 25.8905, 0.4905,
0.3647

 30.1244, 0.4514,
0.3611

 35.1709, 0.4160,
0.3558

■ 41.0706, 0.3852,
0.3497

■ 47.8609, 0.3590,
0.3433

■ 55.5771, 0.3372,
0.3371

■ 64.2526, 0.3190,
0.3312

Harmonies

Analogous

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



17.6041, 0.5578, 0.2768



17.6041, 0.5994, 0.3558



17.6041, 0.5394, 0.4512

Triad

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



17.6041, 0.5994, 0.3558



17.6041, 0.1835, 0.5233



17.6041, 0.1537, 0.1310

Complementary

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



17.6041, 0.5994, 0.3558



33.3561, 0.2058, 0.2580

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.



17.6041, 0.1036, 0.1397



17.6041, 0.5994, 0.3558



17.6041, 0.1107, 0.3182

Square

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



17.6041, 0.5994, 0.3558



17.6041, 0.2995, 0.6275



17.6041, 0.0894, 0.1909



17.6041, 0.2548, 0.1532

Rectangle

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



17.6041, 0.5994, 0.3558



17.6041, 0.4682, 0.5267



17.6041, 0.0894, 0.1909



17.6041, 0.1322, 0.1303

Sweetspot

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



17.6052, 0.5994, 0.3558



65.9508, 0.3698, 0.3461



17.6814, 0.3805, 0.1893



13.2030, 0.3815, 0.3489



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



17.6052, 0.5994, 0.3558



24.2957, 0.6153, 0.3496



38.8453, 0.4745, 0.4577



12.8752, 0.3285, 0.3344



10.0871, 0.6114, 0.3527



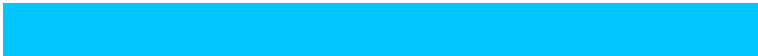
0.7356, 0.5773, 0.3798

Inverse Universe

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



33.3561, 0.2058, 0.2580



47.1092, 0.2034, 0.2522



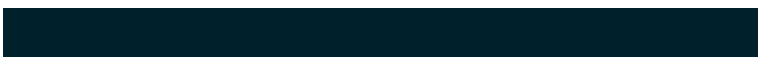
9.4027, 0.1638, 0.1052



13.6057, 0.2982, 0.3236



19.4170, 0.2040, 0.2542



1.2912, 0.2080, 0.2686

Previews

White Background



This preview shows how the Yxy color 17.6041, 0.5994, 0.3558 looks on a white background.

Color Contrast Check

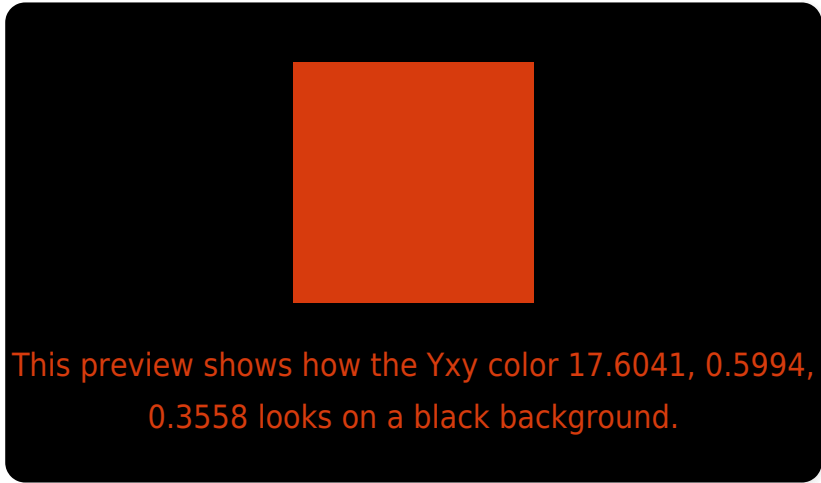
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

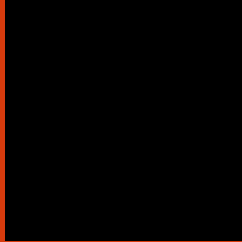
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6041, 0.5994, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 17.6041, 0.5994, 0.3558.



This preview shows how white text looks on a background with the Yxy color 17.6041, 0.5994, 0.3558.

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

17.6041, 0.5994, 0.3558

Protanopia

17.7168, 0.4287, 0.4718

Deuteranopia

17.6648, 0.4706, 0.4645



Tritanopia

17.6267, 0.5663, 0.3281

Trichromacy



Original Color

17.6041, 0.5994, 0.3558

Protanomaly

16.1090, 0.5029, 0.4211

Deuteranomaly

16.4359, 0.5280, 0.4159

Tritanomaly

17.5874, 0.5837, 0.3407

Monochromacy



Original Color

17.6041, 0.5994, 0.3558

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.6651, 0.4387, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6041, 0.5994, 0.3558 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(215, 59, 13)` looks like.

```
.text, #text, p{  
    color:rgb(215, 59, 13)  
}
```

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(215, 59, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 59, 13) }
```

Border

The CSS property to change the border of an element to Yxy 17.6041, 0.5994, 0.3558 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(215, 59, 13) }
```

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

```
.border{ border-color:rgb(215, 59, 13) }
```

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

Here you see how a box with a 4 pixel rgb(215, 59, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 59, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 59, 13);  
box-shadow:4px 4px 4px 4px rgb(215, 59,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6041, 0.5994, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 59, 13) }
```

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

```
.background{ background-color: rgb(215, 59,  
13) }
```

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