

Converting Colors

$Y_{xy}(16.8796, 0.5949, 0.3659)$

Have a look what the booklet for
Yxy(16.8796, 0.5949, 0.3659)
contains.

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Color

Yxy(16.9322, 0.5952, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	CF4000
RGB	207, 64, 0
RGB Percent	81%, 25%, 0%
CMY	0.1882, 0.7490, 1.0000
CMYK	0.00, 0.69, 1.00, 0.19
HSL	19°, 100%, 41%
HSV	19°, 100%, 81%
XYZ	27.5658, 16.9322, 1.8155
YIQ	99.4610, 105.7720, 10.4120

Conversions

Conversions Part 2

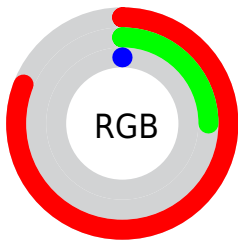
Format	Color
R_{YB}	207, 93, 0
Decimal	13582336
CIE Lab	48.17, 54.35, 59.55
CIE LCh	48, 80.624, 47.615
Yxy	16.9322, 0.5952, 0.3656
Android (android.graphics.Color)	4291772416 (0xFFCF4000)
YUV	99.4610, -49.0343, 94.3117
Hunter-Lab	41.1488, 47.5678, 26.1882

Details

The Yxy color **16.9322, 0.5952, 0.3656** 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 **24.1496, 0.1956, 0.2240**, and the grayscale version is **12.7078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7591, 0.5311, 0.3798**, and **5.8396, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.9326, 0.5952, 0.3656**, and if you desaturate by 10%, it is **18.8112, 0.5695, 0.3744**.

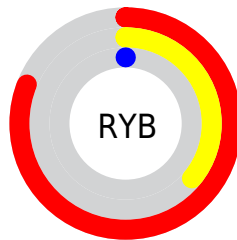
Distribution



Red (81%)

Green (25%)

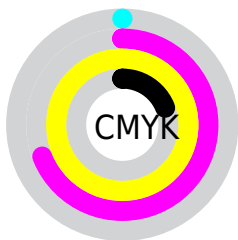
Blue (0%)



Red (81%)

Yellow (36%)

Blue (0%)

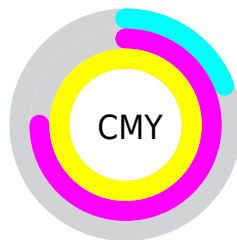


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (75%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9322, 0.5952, 0.3656 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 16.9322, 0.5952, 0.3656 by changing the saturation by 10% instead.


 16.9322, 0.5952,
0.3656


 16.9322, 0.5952,
0.3656

 234.7814, 0.4437,
0.3687


 10.1862, 0.6306,
0.3542


 38.2092, 0.5415,
0.3748


 5.5226, 0.6687,
0.3313

 53.5089, 0.5205,
0.3756

 2.5570, 0.7092,
0.2908

 72.4286, 0.5026,
0.3753

 0.9051, 0.7700,
0.2300

 95.3528, 0.4873,
0.3744


 0.0000, 1.0000,
0.0000


 122.6657, 0.4740,
0.3731

 0.0000, 0.0000,
0.0000


 154.7519, 0.4626,

0.3717


 191.9956, 0.4525,
0.3702


 16.9322, 0.5952,
0.3656

 16.9322, 0.5952,
0.3656

 16.9326, 0.5952,
0.3656

 18.8112, 0.5695,
0.3744

 21.1884, 0.5375,
0.3794

 24.1105, 0.5015,
0.3796

 27.6122, 0.4650,
0.3760

 31.7247, 0.4305,
0.3697

■ 36.4769, 0.3994,
0.3619

■ 41.8959, 0.3723,
0.3534

■ 48.0068, 0.3490,
0.3449

■ 54.8336, 0.3293,
0.3367

Harmonies

Analogous

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



16.9322, 0.5668, 0.2858



16.9322, 0.5952, 0.3656



16.9322, 0.5283, 0.4634

Triad

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



16.9322, 0.5952, 0.3656



16.9322, 0.1738, 0.4995



16.9322, 0.1628, 0.1329

Complementary

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



16.9322, 0.5952, 0.3656



24.1496, 0.1956, 0.2240

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.



16.9322, 0.1081, 0.1380



16.9322, 0.5952, 0.3656



16.9322, 0.1073, 0.2996

Square

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



16.9322, 0.5952, 0.3656



16.9322, 0.2866, 0.6240



16.9322, 0.0904, 0.1833



16.9322, 0.2701, 0.1583

Rectangle

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



16.9322, 0.5952, 0.3656



16.9322, 0.4547, 0.5383



16.9322, 0.0904, 0.1833



16.9322, 0.1396, 0.1311

Sweetspot

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



16.9332, 0.5952, 0.3656



66.8076, 0.3732, 0.3538



15.3069, 0.4155, 0.2062



13.4815, 0.3844, 0.3574



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.



16.9332, 0.5952, 0.3656



26.8296, 0.5972, 0.3640



40.3933, 0.4601, 0.4729



12.3960, 0.3283, 0.3362



10.8171, 0.5927, 0.3676



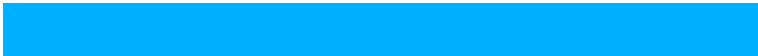
0.7454, 0.5562, 0.3966

Inverse Universe

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



24.1496, 0.1956, 0.2240



38.3315, 0.1952, 0.2226



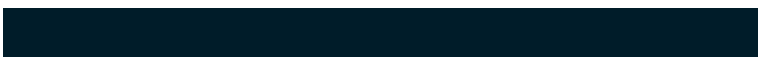
6.1191, 0.1552, 0.0787



12.7645, 0.2983, 0.3216



15.3897, 0.1960, 0.2256



0.9980, 0.2019, 0.2468

Previews

White Background



This preview shows how the Yxy color 16.9322, 0.5952, 0.3656 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 16.9322, 0.5952, 0.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

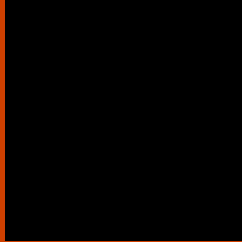
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9322, 0.5952, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 16.9322, 0.5952, 0.3656.



This preview shows how white text looks on a background with the Yxy color 16.9322, 0.5952, 0.3656.

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

16.9322, 0.5952, 0.3656

Protanopia

17.0652, 0.4326, 0.4769

Deuteranopia

16.9570, 0.4701, 0.4649



Tritanopia

16.9894, 0.5499, 0.3278

Trichromacy



Original Color

16.9322, 0.5952, 0.3656

Protanomaly

15.6665, 0.5031, 0.4292

Deuteranomaly

16.1535, 0.5241, 0.4220

Tritanomaly

16.8939, 0.5766, 0.3473

Monochromacy



Original Color

16.9322, 0.5952, 0.3656

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4177, 0.4397, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9322, 0.5952, 0.3656 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(207, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 64, 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(207, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 64, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.9322, 0.5952, 0.3656 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(207, 64, 0) }
```

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

```
.border{ border-color:rgb(207, 64, 0) }
```

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

Here you see how a box with a 4 pixel rgb(207, 64, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 64, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 64, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 64, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.9322, 0.5952, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 64, 0) }
```

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

```
.background{ background-color: rgb(207, 64,  
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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