

Converting Colors

$Y_{xy}(17.5993, 0.5825, 0.3757)$

Have a look what the booklet for
Yxy(17.5993, 0.5825, 0.3757)
contains.

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Color

Yxy(17.6025, 0.5824, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	CC4900
RGB	204, 73, 0
RGB Percent	80%, 29%, 0%
CMY	0.2000, 0.7137, 0.9995
CMYK	0.00, 0.64, 1.00, 0.20
HSL	21°, 100%, 40%
HSV	21°, 100%, 80%
XYZ	27.2869, 17.6025, 1.9631
YIQ	103.8470, 101.5090, 5.0690

Conversions

Conversions Part 2

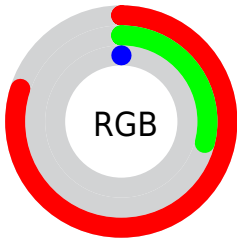
Format	Color
RYB	204, 114, 0
Decimal	13388032
CIELab	49.01, 49.63, 59.64
CIELCh	49, 77.590, 50.237
Yxy	17.6025, 0.5824, 0.3757
Android (android.graphics.Color)	4291578112 (0xFFCC4900)
YUV	103.8470, -51.1966, 87.8342
Hunter-Lab	41.9553, 42.6710, 26.5945

Details

The Yxy color **17.6025, 0.5824, 0.3757** 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 **20.6322, 0.1908, 0.2068**, and the grayscale version is **13.9235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7650, 0.5217, 0.3863**, and **5.8798, 0.6331, 0.3355** is the 20% darker color. If you saturate the color by 10%, you get **17.5921, 0.5825, 0.3757**, and if you desaturate by 10%, it is **19.5636, 0.5574, 0.3843**.

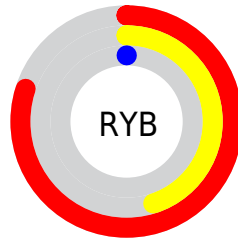
Distribution



Red (80%)

Green (29%)

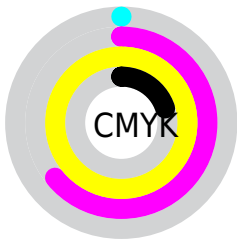
Blue (0%)



Red (80%)

Yellow (45%)

Blue (0%)

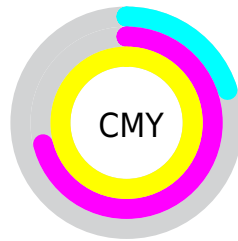


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6025, 0.5824, 0.3757 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 17.6025, 0.5824, 0.3757 by changing the saturation by 10% instead.


 17.6025, 0.5824,
0.3757


 17.6025, 0.5824,
0.3757


 238.6209, 0.4383,
0.3719


 10.6650, 0.6155,
0.3662


 39.3588, 0.5314,
0.3819


 5.8420, 0.6531,
0.3469

 54.9464, 0.5114,
0.3817


 2.7493, 0.6904,
0.3096

 74.1862, 0.4943,
0.3807

 1.0023, 0.7475,
0.2525

 97.4624, 0.4798,
0.3791

 0.0000, 1.0000,
0.0000


 125.1597, 0.4672,
0.3774

 0.0000, 0.0000,
0.0000


 157.6622, 0.4562,


0.3755


 195.3545, 0.4467,
0.3737


 17.6025, 0.5824,
0.3757


 17.6025, 0.5824,
0.3757


 17.5921, 0.5825,
0.3757

 19.5636, 0.5574,
0.3843

 21.9629, 0.5271,
0.3887

 24.8395, 0.4934,
0.3880

 28.2215, 0.4592,
0.3833

 32.1343, 0.4266,
0.3759

■ 36.6016, 0.3971,
0.3668

■ 41.6452, 0.3710,
0.3571

■ 47.2858, 0.3484,
0.3473

■ 53.5429, 0.3291,
0.3378

Harmonies

Analogous

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



17.6025, 0.5623, 0.2959



17.6025, 0.5824, 0.3757



17.6025, 0.5139, 0.4711

Triad

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



17.6025, 0.5824, 0.3757



17.6025, 0.1728, 0.4730



17.6025, 0.1752, 0.1401

Complementary

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



17.6025, 0.5824, 0.3757



20.6322, 0.1908, 0.2068

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.



17.6025, 0.1174, 0.1427



17.6025, 0.5824, 0.3757



17.6025, 0.1114, 0.2891

Square

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



17.6025, 0.5824, 0.3757



17.6025, 0.2806, 0.6053



17.6025, 0.0973, 0.1836



17.6025, 0.2842, 0.1676

Rectangle

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



17.6025, 0.5824, 0.3757



17.6025, 0.4418, 0.5407



17.6025, 0.0973, 0.1836



17.6025, 0.1510, 0.1375

Sweetspot

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



17.6035, 0.5824, 0.3757



68.5605, 0.3721, 0.3575



14.5253, 0.4347, 0.2169



13.8898, 0.3829, 0.3617



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.



17.6035, 0.5824, 0.3757



28.7654, 0.5848, 0.3739



42.8902, 0.4487, 0.4819



11.8589, 0.3281, 0.3373



11.2325, 0.5800, 0.3777



0.7221, 0.5424, 0.4075

Inverse Universe

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



20.6322, 0.1908, 0.2068



33.7223, 0.1903, 0.2050



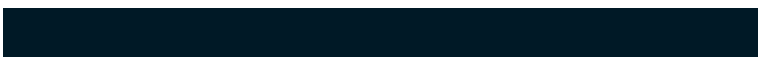
5.3260, 0.1533, 0.0717



12.0262, 0.2983, 0.3205



13.1578, 0.1913, 0.2086



0.8190, 0.1986, 0.2348

Previews

White Background



This preview shows how the Yxy color 17.6025, 0.5824, 0.3757 looks on a white background.

Color Contrast Check

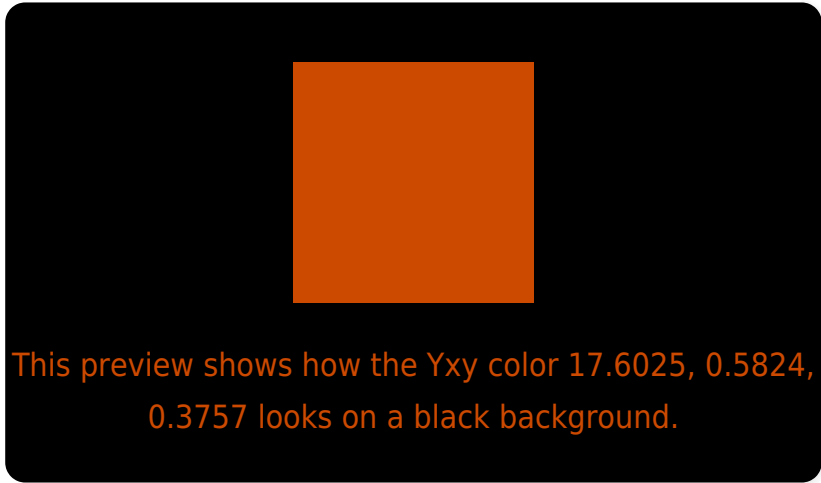
Large Text (above 18pt) WCAG AA ✓ Pass

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

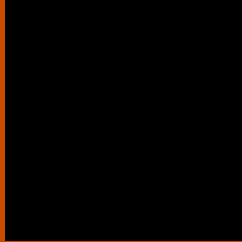
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6025, 0.5824, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 17.6025, 0.5824, 0.3757.



This preview shows how white text looks on a background with the Yxy color 17.6025, 0.5824, 0.3757.

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

17.6025, 0.5824, 0.3757

Protanopia

17.9165, 0.4317, 0.4795

Deuteranopia

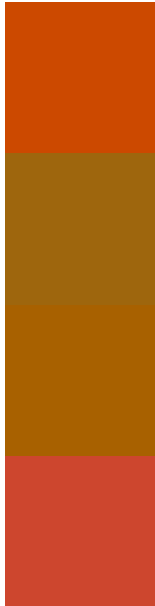
17.6648, 0.4706, 0.4645



Tritanopia

17.5813, 0.5260, 0.3254

Trichromacy



Original Color

17.6025, 0.5824, 0.3757

Protanomaly

16.8009, 0.4934, 0.4381

Deuteranomaly

16.8742, 0.5173, 0.4274

Tritanomaly

17.5567, 0.5581, 0.3517

Monochromacy



Original Color

17.6025, 0.5824, 0.3757

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.7975, 0.4305, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6025, 0.5824, 0.3757 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(204, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 73, 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(204, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 73, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.6025, 0.5824, 0.3757 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(204, 73, 0) }
```

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

```
.border{ border-color:rgb(204, 73, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 73, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.6025, 0.5824, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 73, 0) }
```

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

```
.background{ background-color: rgb(204, 73,  
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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