

Converting Colors

$Y_{xy}(16.6793, 0.5717, 0.3843)$

Have a look what the booklet for
Yxy(16.6793, 0.5717, 0.3843)
contains.

Yxy(16.7771, 0.5711, 0.3848)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7771, 0.5711, 0.3848)

Conversions

Conversions Part 1

Format	Color
Hex	C24D00
RGB	194, 77, 0
RGB Percent	76%, 30%, 0%
CMY	0.2393, 0.6980, 1.0000
CMYK	0.00, 0.60, 1.00, 0.24
HSL	24°, 100%, 38%
HSV	24°, 100%, 76%
XYZ	24.8997, 16.7771, 1.9227
YIQ	103.2050, 94.4490, 0.8570

Conversions

Conversions Part 2

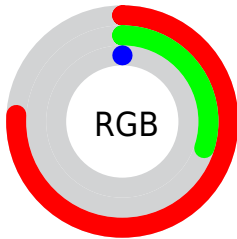
Format	Color
RYB	194, 128, 0
Decimal	12733696
CIELab	47.98, 44.16, 58.23
CIElCh	48, 73.079, 52.820
Yxy	16.7771, 0.5711, 0.3848
Android (android.graphics.Color)	4290923776 (0xFFC24D00)
YUV	103.2050, -50.8801, 79.6272
Hunter-Lab	40.9599, 36.8312, 25.8887

Details

The Yxy color **16.7771, 0.5711, 0.3848** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **16.6104, 0.1869, 0.1929**, and the grayscale version is **13.7414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5410, 0.5193, 0.3898**, and **5.4794, 0.6195, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **16.7783, 0.5710, 0.3848**, and if you desaturate by 10%, it is **18.6139, 0.5468, 0.3928**.

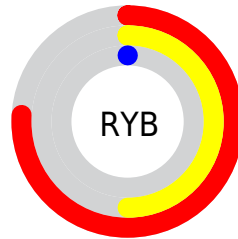
Distribution



Red (76%)

Green (30%)

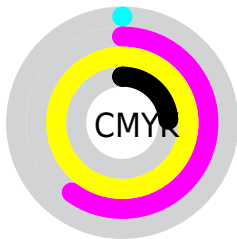
Blue (0%)



Red (76%)

Yellow (50%)

Blue (0%)

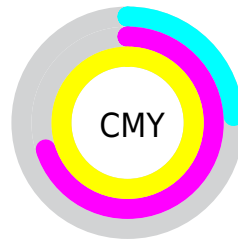


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7771, 0.5711, 0.3848 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 16.7771, 0.5711, 0.3848 by changing the saturation by 10% instead.


 16.7771, 0.5711,
0.3848


 16.7771, 0.5711,
0.3848


 233.8846, 0.4317,
0.3744


 10.0757, 0.6038,
0.3772


 37.9421, 0.5213,
0.3883


 5.4492, 0.6405,
0.3595

 53.1746, 0.5020,
0.3872


 2.5131, 0.6770,
0.3230

 72.0194, 0.4855,
0.3853

 0.8832, 0.7343,
0.2657

 94.8612, 0.4715,
0.3831


 0.0000, 1.0000,
0.0000


 122.0842, 0.4594,
0.3809


 0.0000, 0.0000,
0.0000

 154.0728, 0.4489,


0.3786


 191.2115, 0.4397,
0.3764


 16.7771, 0.5711,
0.3848


 16.7771, 0.5711,
0.3848


 16.7783, 0.5710,
0.3848

 18.6139, 0.5468,
0.3928

 20.8068, 0.5182,
0.3963

 23.3880, 0.4866,
0.3948

 26.3792, 0.4543,
0.3892

 29.7999, 0.4235,
0.3808

■ 33.6682, 0.3952,
0.3708

■ 38.0010, 0.3700,
0.3600

■ 42.8142, 0.3480,
0.3493

■ 48.1229, 0.3290,
0.3388

Harmonies

Analogous

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



16.7771, 0.5586, 0.3051



16.7771, 0.5711, 0.3848



16.7771, 0.5013, 0.4783

Triad

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



16.7771, 0.5711, 0.3848



16.7771, 0.1714, 0.4503



16.7771, 0.1868, 0.1465

Complementary

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



16.7771, 0.5711, 0.3848



16.6104, 0.1869, 0.1929

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.



16.7771, 0.1261, 0.1467



16.7771, 0.5711, 0.3848



16.7771, 0.1148, 0.2799

Square

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



16.7771, 0.5711, 0.3848



16.7771, 0.2742, 0.5878



16.7771, 0.1034, 0.1836



16.7771, 0.2974, 0.1761

Rectangle

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



16.7771, 0.5711, 0.3848



16.7771, 0.4306, 0.5434



16.7771, 0.1034, 0.1836



16.7771, 0.1615, 0.1432

Sweetspot

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



16.7783, 0.5710, 0.3848



68.4634, 0.3711, 0.3606



12.8150, 0.4478, 0.2240



14.2341, 0.3817, 0.3652



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.



16.7783, 0.5710, 0.3848



29.9378, 0.5737, 0.3827



40.7290, 0.4415, 0.4876



10.7194, 0.3279, 0.3382



11.1830, 0.5687, 0.3866



0.6178, 0.5278, 0.4191

Inverse Universe

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



16.6104, 0.1869, 0.1929



29.5853, 0.1863, 0.1907



4.4929, 0.1523, 0.0682



10.7355, 0.2984, 0.3196



11.0859, 0.1875, 0.1949



0.6106, 0.1967, 0.2281

Previews

White Background



This preview shows how the Yxy color 16.7771, 0.5711, 0.3848 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 16.7771, 0.5711, 0.3848

Background



This preview shows how black text looks on a background with the Yxy color 16.7771, 0.5711, 0.3848.



This preview shows how white text looks on a background with the Yxy color 16.7771, 0.5711, 0.3848.

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

16.7771, 0.5711, 0.3848

Protanopia

16.9756, 0.4327, 0.4800

Deuteranopia

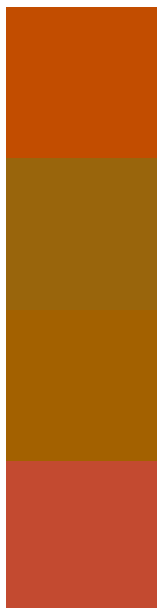
16.9570, 0.4701, 0.4649



Tritanopia

16.8923, 0.5076, 0.3249

Trichromacy



Original Color

16.7771, 0.5711, 0.3848

Protanomaly

16.1062, 0.4895, 0.4415

Deuteranomaly

16.3359, 0.5120, 0.4316

Tritanomaly

16.7131, 0.5437, 0.3565

Monochromacy



Original Color

16.7771, 0.5711, 0.3848

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.6330, 0.4234, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7771, 0.5711, 0.3848 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(194, 77, 0)` looks like.

```
.text, #text, p{  
  color:rgb(194, 77, 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(194, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 77, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.7771, 0.5711, 0.3848 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(194, 77, 0) }
```

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

```
.border{ border-color:rgb(194, 77, 0) }
```

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

Here you see how a box with a 4 pixel rgb(194, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.7771, 0.5711, 0.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 77, 0) }
```

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

```
.background{ background-color: rgb(194, 77,  
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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