

Converting Colors

$Y_{xy}(17.5115, 0.5832, 0.3751)$

Have a look what the booklet for
Yxy(17.5115, 0.5832, 0.3751)
contains.

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Color

Yxy(17.4721, 0.5837, 0.3747)

Conversions

Conversions Part 1

Format	Color
Hex	CC4800
RGB	204, 72, 0
RGB Percent	80%, 28%, 0%
CMY	0.2000, 0.7176, 0.9997
CMYK	0.00, 0.65, 1.00, 0.20
HSL	21°, 100%, 40%
HSV	21°, 100%, 80%
XYZ	27.2177, 17.4721, 1.9398
YIQ	103.2600, 101.7840, 5.5920

Conversions

Conversions Part 2

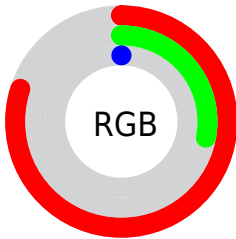
Format	Color
RYB	204, 111, 0
Decimal	13387776
CIELab	48.85, 50.04, 59.57
CIElCh	49, 77.803, 49.970
Yxy	17.4721, 0.5837, 0.3747
Android (android.graphics.Color)	4291577856 (0xFFCC4800)
YUV	103.2600, -50.9072, 88.3490
Hunter-Lab	41.7996, 43.0802, 26.5083

Details

The Yxy color **17.4721, 0.5837, 0.3747** 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 **20.8734, 0.1912, 0.2084**, and the grayscale version is **13.7574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4975, 0.5234, 0.3860**, and **5.8147, 0.6351, 0.3339** is the 20% darker color. If you saturate the color by 10%, you get **17.4673, 0.5838, 0.3747**, and if you desaturate by 10%, it is **19.4197, 0.5586, 0.3834**.

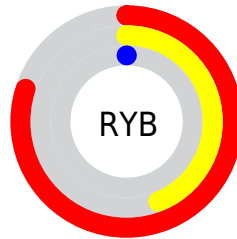
Distribution



Red (80%)

Green (28%)

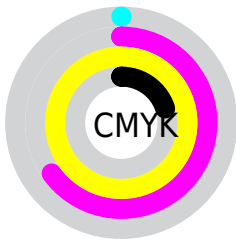
Blue (0%)



Red (80%)

Yellow (44%)

Blue (0%)

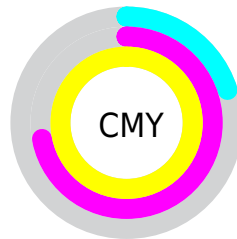


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4721, 0.5837, 0.3747 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 17.4721, 0.5837, 0.3747 by changing the saturation by 10% instead.


 17.4721, 0.5837,
0.3747

 17.4721, 0.5837,
0.3747


 237.8785, 0.4387,
0.3716


 10.5717, 0.6171,
0.3650


 39.1357, 0.5323,
0.3812

 5.7796, 0.6547,
0.3453


 54.6677, 0.5122,
0.3811


 2.7115, 0.6925,
0.3075


 73.8456, 0.4951,
0.3801

 0.9831, 0.7501,
0.2499

 97.0539, 0.4804,
0.3787


 0.0000, 1.0000,
0.0000

 124.6769, 0.4678,
0.3769

 0.0000, 0.0000,
0.0000


 157.0991, 0.4568,

0.3751


 194.7048, 0.4472,
0.3733


 17.4721, 0.5837,
0.3747

 17.4721, 0.5837,
0.3747


 17.4673, 0.5838,
0.3747

 19.4197, 0.5586,
0.3834

 21.8095, 0.5281,
0.3878

 24.6810, 0.4942,
0.3872

 28.0629, 0.4598,
0.3826

 31.9810, 0.4271,
0.3753

■ 36.4592, 0.3974,
0.3664

■ 41.5199, 0.3712,
0.3567

■ 47.1839, 0.3485,
0.3471

■ 53.4712, 0.3291,
0.3377

Harmonies

Analogous

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



17.4721, 0.5628, 0.2949



17.4721, 0.5837, 0.3747



17.4721, 0.5153, 0.4704

Triad

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



17.4721, 0.5837, 0.3747



17.4721, 0.1729, 0.4756



17.4721, 0.1740, 0.1394

Complementary

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



17.4721, 0.5837, 0.3747



20.8734, 0.1912, 0.2084

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.



17.4721, 0.1165, 0.1422



17.4721, 0.5837, 0.3747



17.4721, 0.1110, 0.2901

Square

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



17.4721, 0.5837, 0.3747



17.4721, 0.2812, 0.6073



17.4721, 0.0965, 0.1836



17.4721, 0.2828, 0.1667

Rectangle

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



17.4721, 0.5837, 0.3747



17.4721, 0.4430, 0.5406



17.4721, 0.0965, 0.1836



17.4721, 0.1498, 0.1369

Sweetspot

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



17.4731, 0.5837, 0.3747



68.3925, 0.3722, 0.3571



14.5204, 0.4348, 0.2169



13.8506, 0.3830, 0.3613



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.



17.4731, 0.5837, 0.3747



28.5674, 0.5860, 0.3729



42.8777, 0.4487, 0.4819



11.8505, 0.3281, 0.3372



11.1548, 0.5812, 0.3767



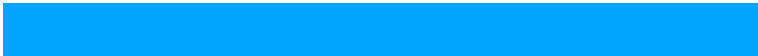
0.7175, 0.5435, 0.4067

Inverse Universe

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



20.8734, 0.1912, 0.2084



34.1409, 0.1908, 0.2067



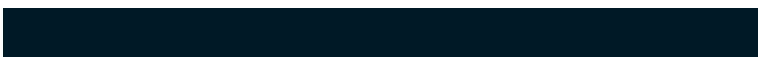
5.3217, 0.1533, 0.0717



12.0350, 0.2983, 0.3206



13.3156, 0.1917, 0.2102



0.8264, 0.1989, 0.2361

Previews

White Background



This preview shows how the Yxy color 17.4721, 0.5837, 0.3747 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 17.4721, 0.5837, 0.3747 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 17.4721, 0.5837, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 17.4721, 0.5837, 0.3747.



This preview shows how white text looks on a background with the Yxy color 17.4721, 0.5837, 0.3747.

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

17.4721, 0.5837, 0.3747

Protanopia

17.6823, 0.4331, 0.4782

Deuteranopia

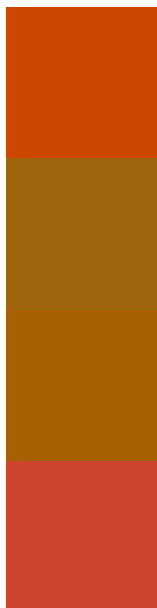
17.5719, 0.4694, 0.4655



Tritanopia

17.4484, 0.5283, 0.3255

Trichromacy



Original Color

17.4721, 0.5837, 0.3747

Protanomaly

16.6055, 0.4951, 0.4367

Deuteranomaly

16.8742, 0.5173, 0.4274

Tritanomaly

17.4248, 0.5602, 0.3514

Monochromacy



Original Color

17.4721, 0.5837, 0.3747

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.6231, 0.4315, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4721, 0.5837, 0.3747 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, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 72, 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, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 72, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.4721, 0.5837, 0.3747 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, 72, 0) }
```

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

```
.border{ border-color:rgb(204, 72, 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, 72, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 72, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.4721, 0.5837, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 72, 0) }
```

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

```
.background{ background-color: rgb(204, 72,  
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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