

Converting Colors

$Y_{xy}(17.5835, 0.5016, 0.3296)$

Have a look what the booklet for
Yxy(17.5835, 0.5016, 0.3296)
contains.

Yxy(17.5793, 0.5016, 0.3296)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5793, 0.5016, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	C44D4D
RGB	196, 77, 77
RGB Percent	77%, 30%, 30%
CMY	0.2315, 0.6979, 0.6981
CMYK	0.00, 0.61, 0.61, 0.23
HSL	0°, 50%, 54%
HSV	0°, 61%, 77%
XYZ	26.7530, 17.5793, 9.0030
YIQ	112.5810, 70.9240, 25.2280

Conversions

Conversions Part 2

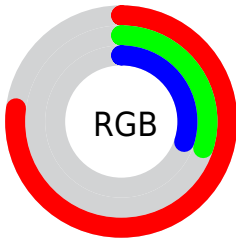
Format	Color
RYB	196, 77, 77
Decimal	12864845
CIELab	48.98, 47.58, 24.91
CIElCh	49, 53.709, 27.629
Yxy	17.5793, 0.5016, 0.3296
Android (android.graphics.Color)	4291054925 (0xFFC44D4D)
YUV	112.5810, -17.5414, 73.1585
Hunter-Lab	41.9277, 40.5228, 16.6182

Details

The Yxy color **17.5793, 0.5016, 0.3296** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **45.0113, 0.2391, 0.3287**, and the grayscale version is **16.4232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9990, 0.4556, 0.3345**, and **5.8098, 0.5772, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **15.0017, 0.5493, 0.3297**, and if you desaturate by 10%, it is **21.0677, 0.4557, 0.3295**.

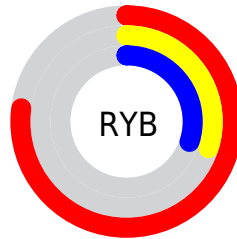
Distribution



Red (77%)

Green (30%)

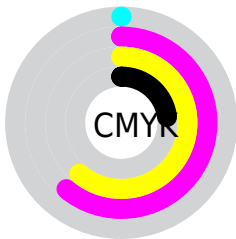
Blue (30%)



Red (77%)

Yellow (30%)

Blue (30%)

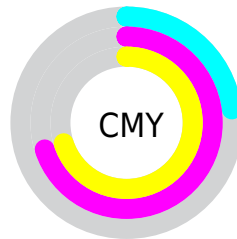


Cyan (0%)

Magenta (61%)

Yellow (61%)

Black (23%)



Cyan (23%)


Magenta (70%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5793, 0.5016, 0.3296 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 17.5793, 0.5016, 0.3296 by changing the saturation by 10% instead.


 17.5793, 0.5016,
0.3296

 17.5793, 0.5016,
0.3296


238.4890, 0.3920,
0.3355

 10.6484, 0.5340,
0.3245


 39.3191, 0.4580,
0.3340

 5.8309, 0.5780,
0.3148

 54.8969, 0.4427,
0.3349

 2.7425, 0.6434,
0.2973

 74.1256, 0.4303,
0.3354

 0.9988, 0.7402,
0.2598

 97.3898, 0.4200,
0.3357

 0.0000, 1.0000,
0.0000

 125.0739, 0.4114,
0.3357

 0.0000, 0.0000,
0.0000

157.5621, 0.4040,

0.3357

195.2390, 0.3976,
0.3357

■ 17.5793, 0.5016,
0.3296

■ 17.5793, 0.5016,
0.3296

■ 15.0017, 0.5493,
0.3297

■ 21.0677, 0.4557,
0.3295

■ 13.2475, 0.5924,
0.3299

■ 25.5378, 0.4151,
0.3293

■ 12.2176, 0.6235,
0.3299

■ 31.0572, 0.3812,
0.3292

■ 11.7335, 0.6401,
0.3300

■ 37.6864, 0.3537,
0.3291

■ 45.4813, 0.3315,
0.3291

■ 54.4944, 0.3138,
0.3290

■ 64.7745, 0.2997,
0.3290

■ 76.3681, 0.2883,
0.3289

■ 89.3191, 0.2790,
0.3289

Harmonies

Analogous

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



17.5793, 0.4273, 0.2657



17.5793, 0.5016, 0.3296



17.5793, 0.5089, 0.3994

Triad

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



17.5793, 0.5016, 0.3296



17.5793, 0.2788, 0.4983



17.5793, 0.1703, 0.1835

Complementary

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



17.5793, 0.5016, 0.3296



45.0113, 0.2391, 0.3287

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.



17.5793, 0.1459, 0.2125



17.5793, 0.5016, 0.3296



17.5793, 0.1987, 0.3957

Square

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



17.5793, 0.5016, 0.3296



17.5793, 0.3732, 0.5192



17.5793, 0.1539, 0.2831



17.5793, 0.2283, 0.1860

Rectangle

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



17.5793, 0.5016, 0.3296



17.5793, 0.4796, 0.4472



17.5793, 0.1539, 0.2831



17.5793, 0.1586, 0.1892

Sweetspot

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



17.5803, 0.5016, 0.3296



71.5260, 0.3478, 0.3291



21.0232, 0.3193, 0.1897



14.4710, 0.3550, 0.3291



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.



17.5803, 0.5016, 0.3296



25.9333, 0.5650, 0.3298



30.0125, 0.4452, 0.4053



10.0784, 0.3289, 0.3291



7.5419, 0.6400, 0.3300



0.3261, 0.6399, 0.3301

Inverse Universe

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



45.0113, 0.2391, 0.3287



79.9599, 0.2312, 0.3287



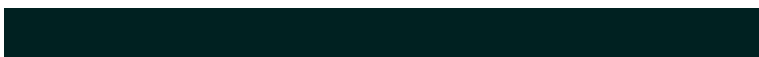
23.3065, 0.2173, 0.2313



11.4279, 0.2985, 0.3290



27.9097, 0.2246, 0.3286



1.2061, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 17.5793, 0.5016, 0.3296 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 17.5793, 0.5016, 0.3296 looks on a 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 17.5793, 0.5016, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 17.5793, 0.5016, 0.3296.



This preview shows how white text looks on a background with the Yxy color 17.5793, 0.5016, 0.3296.

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

17.5793, 0.5016, 0.3296

Protanopia

17.8158, 0.3503, 0.3738

Deuteranopia

17.7941, 0.4081, 0.4015



Tritanopia

17.4987, 0.4962, 0.3236

Trichromacy



Original Color

17.5793, 0.5016, 0.3296

Protanomaly

16.6914, 0.4042, 0.3534

Deuteranomaly

17.0861, 0.4454, 0.3701

Tritanomaly

17.4838, 0.4978, 0.3248

Monochromacy



Original Color

17.5793, 0.5016, 0.3296

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.8741, 0.3771, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5793, 0.5016, 0.3296 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(196, 77, 77)` looks like.

```
.text, #text, p{  
    color:rgb(196, 77, 77)  
}
```

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(196, 77, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 77, 77) }
```

Border

The CSS property to change the border of an element to Yxy 17.5793, 0.5016, 0.3296 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(196, 77, 77) }
```

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

```
.border{ border-color:rgb(196, 77, 77) }
```

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

Here you see how a box with a 4 pixel rgb(196, 77, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 77, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 77, 77);  
box-shadow:4px 4px 4px 4px rgb(196, 77,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5793, 0.5016, 0.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 77, 77) }
```

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

```
.background{ background-color: rgb(196, 77,  
77) }
```

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