

Converting Colors

$Yxy(19.5330, 0.4749, 0.3294)$

Have a look what the booklet for
Yxy(19.5330, 0.4749, 0.3294)
contains.

Yxy(19.4198, 0.4753, 0.3295)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.4198, 0.4753, 0.3295)

Conversions

Conversions Part 1

Format	Color
Hex	C45858
RGB	196, 88, 88
RGB Percent	77%, 35%, 35%
CMY	0.2314, 0.6548, 0.6549
CMYK	0.00, 0.55, 0.55, 0.23
HSL	0°, 48%, 56%
HSV	0°, 55%, 77%
XYZ	28.0128, 19.4198, 11.5045
YIQ	120.2920, 64.3680, 22.8960

Conversions

Conversions Part 2

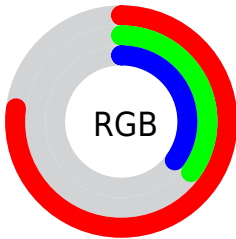
Format	Color
R _Y B	196, 88, 88
Decimal	12867672
CIE Lab	51.17, 43.20, 21.27
CIE LCh	51, 48.149, 26.213
Yxy	19.4198, 0.4753, 0.3295
Android (android.graphics.Color)	4291057752 (0xFFC45858)
YUV	120.2920, -15.9200, 66.3959
Hunter-Lab	44.0679, 36.3491, 15.3691

Details

The Yxy color **19.4198, 0.4753, 0.3295** 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 **45.5227, 0.2435, 0.3288**, and the grayscale version is **18.9193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1447, 0.4367, 0.3325**, and **6.6948, 0.5399, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **16.3417, 0.5226, 0.3296**, and if you desaturate by 10%, it is **23.4518, 0.4321, 0.3294**.

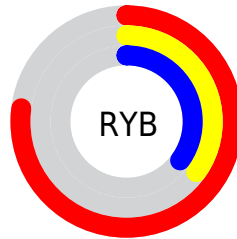
Distribution



Red (77%)

Green (35%)

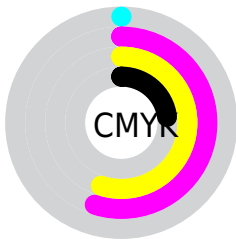
Blue (35%)



Red (77%)

Yellow (35%)

Blue (35%)

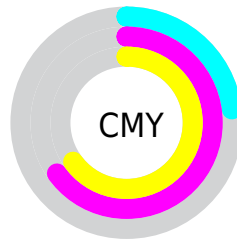


Cyan (0%)

Magenta (55%)

Yellow (55%)

Black (23%)



Cyan (23%)


Magenta (65%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4198, 0.4753, 0.3295 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 19.4198, 0.4753, 0.3295 by changing the saturation by 10% instead.


 19.4198, 0.4753,
0.3295

 19.4198, 0.4753,
0.3295


248.7566, 0.3819,
0.3338


 11.9740, 0.5029,
0.3259


 42.4423, 0.4382,
0.3326

 6.7260, 0.5408,
0.3192


 58.7877, 0.4252,
0.3333

 3.2913, 0.5948,
0.3058

 78.8685, 0.4146,
0.3336

 1.2857, 0.7091,
0.2909

 103.0691, 0.4058,
0.3338

 0.1301, 0.9040,
0.0960

 131.7738, 0.3984,
0.3339

 0.0000, 1.0000,
0.0000

165.3670, 0.3921,

 0.0000, 0.0000,

0.3339

0.0000

204.2331, 0.3866,
0.3338

■ 19.4198, 0.4753,
0.3295

■ 19.4198, 0.4753,
0.3295

■ 16.3417, 0.5226,
0.3296

■ 23.4518, 0.4321,
0.3294

■ 14.1361, 0.5693,
0.3298

■ 28.5039, 0.3953,
0.3293

■ 12.7135, 0.6080,
0.3299

■ 34.6403, 0.3650,
0.3292

■ 11.9638, 0.6321,
0.3300

■ 41.9190, 0.3406,
0.3291

■ 11.7342, 0.6401,
0.3300

■ 50.3936, 0.3211,
0.3290

■ 60.1147, 0.3055,
0.3290

■ 71.1297, 0.2930,
0.3289

■ 83.4837, 0.2829,
0.3289

■ 90.4734, 0.2784,
0.3289

Harmonies

Analogous

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



19.4198, 0.4085, 0.2712



19.4198, 0.4753, 0.3295



19.4198, 0.4870, 0.3930

Triad

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



19.4198, 0.4753, 0.3295



19.4198, 0.2893, 0.4755



19.4198, 0.1838, 0.1999

Complementary

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



19.4198, 0.4753, 0.3295



45.5227, 0.2435, 0.3288

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.



19.4198, 0.1628, 0.2292



19.4198, 0.4753, 0.3295



19.4198, 0.2160, 0.3917

Square

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



19.4198, 0.4753, 0.3295



19.4198, 0.3735, 0.4940



19.4198, 0.1726, 0.2949



19.4198, 0.2354, 0.2003

Rectangle

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



19.4198, 0.4753, 0.3295



19.4198, 0.4646, 0.4350



19.4198, 0.1726, 0.2949



19.4198, 0.1735, 0.2060

Sweetspot

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



19.4208, 0.4753, 0.3295



72.9119, 0.3455, 0.3291



22.6978, 0.3188, 0.1998



15.0135, 0.3502, 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.



19.4208, 0.4753, 0.3295



28.7160, 0.5319, 0.3297



31.7816, 0.4299, 0.3996



10.0782, 0.3289, 0.3291



7.5414, 0.6401, 0.3300



0.3259, 0.6400, 0.3300

Inverse Universe

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



45.5227, 0.2435, 0.3288



80.7324, 0.2350, 0.3287



25.4030, 0.2255, 0.2421



11.4282, 0.2985, 0.3290



27.9183, 0.2246, 0.3287



1.2064, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 19.4198, 0.4753, 0.3295 looks on a white 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

Black Background



This preview shows how the Yxy color 19.4198, 0.4753, 0.3295 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 19.4198, 0.4753, 0.3295

Background



This preview shows how black text looks on a background with the Yxy color 19.4198, 0.4753, 0.3295.



This preview shows how white text looks on a background with the Yxy color 19.4198, 0.4753, 0.3295.

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

19.4198, 0.4753, 0.3295

Protanopia

19.5655, 0.3440, 0.3646

Deuteranopia

19.5502, 0.3959, 0.3878



Tritanopia

19.3425, 0.4684, 0.3219

Trichromacy



Original Color

19.4198, 0.4753, 0.3295

Protanomaly

18.8060, 0.3888, 0.3495

Deuteranomaly

18.9633, 0.4262, 0.3622

Tritanomaly

19.3075, 0.4715, 0.3244

Monochromacy



Original Color

19.4198, 0.4753, 0.3295

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.1037, 0.3688, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4198, 0.4753, 0.3295 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, 88, 88)` looks like.

```
.text, #text, p{  
  color:rgb(196, 88, 88)  
}
```

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, 88, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 88, 88) }
```

Border

The CSS property to change the border of an element to Yxy 19.4198, 0.4753, 0.3295 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, 88, 88) }
```

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

```
.border{ border-color:rgb(196, 88, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 88, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 88, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 88, 88);  
box-shadow:4px 4px 4px 4px rgb(196, 88,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4198, 0.4753, 0.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 88, 88) }
```

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

```
.background{ background-color: rgb(196, 88,  
88) }
```

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