

Converting Colors

$Y_{xy}(18.3900, 0.4888, 0.3244)$

Have a look what the booklet for
Yxy(18.3900, 0.4888, 0.3244)
contains.

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Color

Yxy(18.3990, 0.4887, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	C65055
RGB	198, 80, 85
RGB Percent	78%, 31%, 33%
CMY	0.2236, 0.6862, 0.6667
CMYK	0.00, 0.60, 0.57, 0.22
HSL	357°, 51%, 55%
HSV	357°, 60%, 78%
XYZ	27.7947, 18.3990, 10.6811
YIQ	115.8520, 68.7230, 26.5710

Conversions

Conversions Part 2

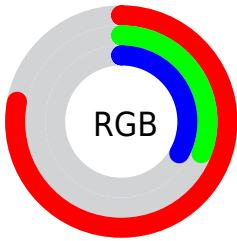
Format	Color
RYB	198, 80, 85
Decimal	12996693
CIELab	49.98, 47.50, 21.51
CIElCh	50, 52.141, 24.368
Yxy	18.3990, 0.4887, 0.3235
Android (android.graphics.Color)	4291186773 (0xFFC65055)
YUV	115.8520, -15.2100, 72.0438
Hunter-Lab	42.8941, 40.6008, 15.2620

Details

The Yxy color **18.3990, 0.4887, 0.3235** 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 **45.9391, 0.2424, 0.3362**, and the grayscale version is **17.4510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0595, 0.4438, 0.3284**, and **6.2550, 0.5610, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **15.6527, 0.5354, 0.3236**, and if you desaturate by 10%, it is **22.0822, 0.4449, 0.3240**.

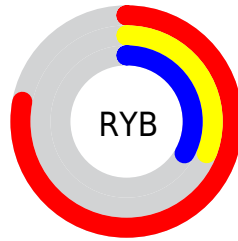
Distribution



Red (78%)

Green (31%)

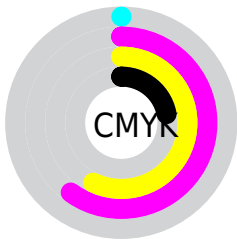
Blue (33%)



Red (78%)

Yellow (31%)

Blue (33%)

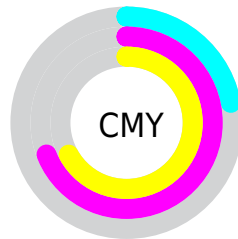


Cyan (0%)

Magenta (60%)

Yellow (57%)

Black (22%)



Cyan (22%)


Magenta (69%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3990, 0.4887, 0.3235 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 18.3990, 0.4887, 0.3235 by changing the saturation by 10% instead.


 18.3990, 0.4887,
0.3235

 18.3990, 0.4887,
0.3235


243.1105, 0.3870,
0.3317


 11.2368, 0.5189,
0.3184


 40.7160, 0.4482,
0.3284


 6.2264, 0.5603,
0.3094

 56.6397, 0.4341,
0.3296

 2.9832, 0.6192,
0.2923

 76.2527, 0.4225,
0.3304

 1.1230, 0.7330,
0.2670

 99.9393, 0.4130,
0.3309

 0.0000, 1.0000,
0.0000


 128.0840, 0.4049,
0.3313


 0.0000, 0.0000,
0.0000

161.0712, 0.3981,


0.3315


199.2852, 0.3921,
0.3317


 18.3990, 0.4887,
0.3235


 18.3990, 0.4887,
0.3235


 15.6527, 0.5354,
0.3236


 22.0822, 0.4449,
0.3240

 13.7560, 0.5797,
0.3245


 26.7731, 0.4068,
0.3249


 12.6110, 0.6146,
0.3262

 32.5393, 0.3751,
0.3259

 12.0420, 0.6353,
0.3277

 39.4418, 0.3494,
0.3270

 12.0224, 0.6360,
0.3277

 47.5369, 0.3287,
0.3280

■ 56.8771, 0.3121,
0.3290

■ 67.5120, 0.2988,
0.3300

■ 79.4882, 0.2881,
0.3308

■ 90.7440, 0.2794,
0.3289

Harmonies

Analogous

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



18.3990, 0.4120, 0.2622



18.3990, 0.4887, 0.3235



18.3990, 0.5039, 0.3910

Triad

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



18.3990, 0.4887, 0.3235



18.3990, 0.2908, 0.4964



18.3990, 0.1711, 0.1900

Complementary

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



18.3990, 0.4887, 0.3235



45.9391, 0.2424, 0.3362

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.



18.3990, 0.1507, 0.2226



18.3990, 0.4887, 0.3235



18.3990, 0.2105, 0.4052

Square

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



18.3990, 0.4887, 0.3235



18.3990, 0.3819, 0.5087



18.3990, 0.1625, 0.2958



18.3990, 0.2239, 0.1892

Rectangle

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



18.3990, 0.4887, 0.3235



18.3990, 0.4800, 0.4370



18.3990, 0.1625, 0.2958



18.3990, 0.1608, 0.1970

Sweetspot

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



18.4000, 0.4887, 0.3235



71.6151, 0.3464, 0.3271



21.0348, 0.3123, 0.1887



14.4921, 0.3532, 0.3268



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.



18.4000, 0.4887, 0.3235



26.3843, 0.5516, 0.3238



29.3872, 0.4475, 0.3969



10.6441, 0.3283, 0.3281



7.8228, 0.6349, 0.3271



0.3730, 0.6171, 0.3173

Inverse Universe

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



18.4000, 0.4887, 0.3235



26.3843, 0.5516, 0.3238



26.0036, 0.2211, 0.2435



10.6441, 0.3283, 0.3281



7.8228, 0.6349, 0.3271



0.3730, 0.6171, 0.3173

Previews

White Background



This preview shows how the Yxy color 18.3990, 0.4887, 0.3235 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 18.3990, 0.4887, 0.3235 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 18.3990, 0.4887, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 18.3990, 0.4887, 0.3235.

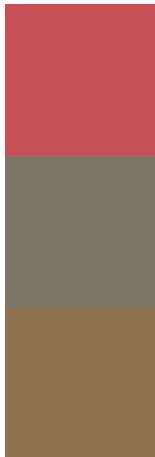


This preview shows how white text looks on a background with the Yxy color 18.3990, 0.4887, 0.3235.

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

18.3990, 0.4887, 0.3235

Protanopia

18.5329, 0.3397, 0.3597

Deuteranopia

18.4388, 0.3977, 0.3910



Tritanopia

18.3990, 0.4887, 0.3235

Trichromacy



Original Color

18.3990, 0.4887, 0.3235

Protanomaly

17.6231, 0.3932, 0.3446

Deuteranomaly

17.8834, 0.4326, 0.3625

Tritanomaly

18.3990, 0.4887, 0.3235

Monochromacy



Original Color

18.3990, 0.4887, 0.3235

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.8314, 0.3725, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3990, 0.4887, 0.3235 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(198, 80, 85)` looks like.

```
.text, #text, p{  
  color:rgb(198, 80, 85)  
}
```

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(198, 80, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 80, 85) }
```

Border

The CSS property to change the border of an element to Yxy 18.3990, 0.4887, 0.3235 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(198, 80, 85) }
```

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

```
.border{ border-color:rgb(198, 80, 85) }
```

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

Here you see how a box with a 4 pixel rgb(198, 80, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 80, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 80, 85);  
box-shadow:4px 4px 4px 4px rgb(198, 80,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3990, 0.4887, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 80, 85) }
```

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

```
.background{ background-color: rgb(198, 80,  
85) }
```

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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