

Converting Colors

$Y_{xy}(18.1000, 0.4755, 0.3295)$

Have a look what the booklet for
Yxy(18.1000, 0.4755, 0.3295)
contains.

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Color

Yxy(18.1000, 0.4755, 0.3295)

Conversions

Conversions Part 1

Format	Color
Hex	BE5555
RGB	190, 85, 85
RGB Percent	75%, 33%, 33%
CMY	0.2550, 0.6666, 0.6667
CMYK	0.00, 0.55, 0.55, 0.25
HSL	0°, 45%, 54%
HSV	0°, 55%, 75%
XYZ	26.1200, 18.1000, 10.7117
YIQ	116.3950, 62.5800, 22.2600

Conversions

Conversions Part 2

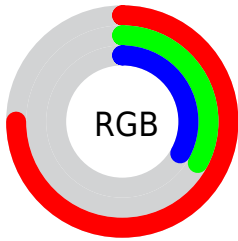
Format	Color
R _Y B	190, 85, 85
Decimal	12473685
CIE Lab	49.62, 42.24, 20.81
CIE LCh	50, 47.087, 26.223
Yxy	18.1000, 0.4755, 0.3295
Android (android.graphics.Color)	4290663765 (0xFFBE5555)
YUV	116.3950, -15.4777, 64.5516
Hunter-Lab	42.5441, 35.1383, 14.8529

Details

The Yxy color **18.1000, 0.4755, 0.3295** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **42.4591, 0.2435, 0.3288**, and the grayscale version is **17.6287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2502, 0.4369, 0.3325**, and **6.0918, 0.5441, 0.3183** is the 20% darker color. If you saturate the color by 10%, you get **15.2376, 0.5228, 0.3296**, and if you desaturate by 10%, it is **21.8480, 0.4324, 0.3294**.

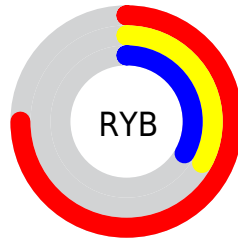
Distribution



Red (75%)

Green (33%)

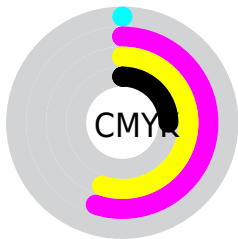
Blue (33%)



Red (75%)

Yellow (33%)

Blue (33%)

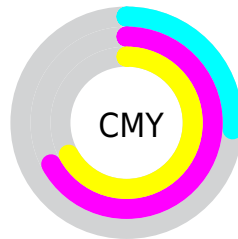


Cyan (0%)

Magenta (55%)

Yellow (55%)

Black (25%)



Cyan (26%)


Magenta (67%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1000, 0.4755, 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 18.1000, 0.4755, 0.3295 by changing the saturation by 10% instead.


 18.1000, 0.4755,
0.3295


 18.1000, 0.4755,
0.3295


241.4341, 0.3810,
0.3338


 11.0218, 0.5039,
0.3258


 40.2076, 0.4377,
0.3327


 6.0815, 0.5432,
0.3188

 56.0059, 0.4245,
0.3333


 2.8947, 0.5999,
0.3044

 75.4796, 0.4139,
0.3337

 1.0770, 0.7152,
0.2848

 99.0132, 0.4050,
0.3338

 0.0000, 1.0000,
0.0000

 126.9910, 0.3976,
0.3339

 0.0000, 0.0000,
0.0000

159.7975, 0.3912,

0.3339

197.8171, 0.3858,
0.3338

■ 18.1000, 0.4755,
0.3295

■ 18.1000, 0.4755,
0.3295

■ 15.2376, 0.5228,
0.3296

■ 21.8480, 0.4324,
0.3294

■ 13.1856, 0.5693,
0.3298

■ 26.5433, 0.3956,
0.3293

■ 11.8609, 0.6079,
0.3299

■ 32.2452, 0.3653,
0.3292

■ 11.1608, 0.6320,
0.3300

■ 39.0076, 0.3409,
0.3291

■ 10.9455, 0.6401,
0.3300

■ 46.8802, 0.3214,
0.3290

■ 55.9100, 0.3057,
0.3290

■ 66.1409, 0.2932,
0.3289

■ 77.6148, 0.2830,
0.3289

■ 89.6847, 0.2752,
0.3289

Harmonies

Analogous

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



18.1000, 0.4087, 0.2711



18.1000, 0.4755, 0.3295



18.1000, 0.4872, 0.3930

Triad

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



18.1000, 0.4755, 0.3295



18.1000, 0.2892, 0.4757



18.1000, 0.1837, 0.1997

Complementary

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



18.1000, 0.4755, 0.3295



42.4591, 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.



18.1000, 0.1627, 0.2291



18.1000, 0.4755, 0.3295



18.1000, 0.2159, 0.3917

Square

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



18.1000, 0.4755, 0.3295



18.1000, 0.3735, 0.4942



18.1000, 0.1725, 0.2948



18.1000, 0.2354, 0.2001

Rectangle

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



18.1000, 0.4755, 0.3295



18.1000, 0.4647, 0.4351



18.1000, 0.1725, 0.2948



18.1000, 0.1733, 0.2059

Sweetspot

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



18.1010, 0.4755, 0.3295



68.0703, 0.3454, 0.3291



21.1590, 0.3188, 0.1997



14.3831, 0.3502, 0.3291



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.1010, 0.4755, 0.3295



26.8400, 0.5314, 0.3297



29.6321, 0.4300, 0.3996



9.5366, 0.3288, 0.3291



7.2799, 0.6401, 0.3300



0.2853, 0.6400, 0.3300

Inverse Universe

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



42.4591, 0.2435, 0.3288



75.3446, 0.2350, 0.3287



23.6798, 0.2254, 0.2420



10.8093, 0.2985, 0.3290



26.9504, 0.2246, 0.3287



1.0558, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 18.1000, 0.4755, 0.3295 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 18.1000, 0.4755, 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 18.1000, 0.4755, 0.3295

Background



This preview shows how black text looks on a background with the Yxy color 18.1000, 0.4755, 0.3295.



This preview shows how white text looks on a background with the Yxy color 18.1000, 0.4755, 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

18.1000, 0.4755, 0.3295

Protanopia

18.2369, 0.3438, 0.3637

Deuteranopia

18.1402, 0.3958, 0.3879



Tritanopia

18.0260, 0.4684, 0.3216

Trichromacy



Original Color

18.1000, 0.4755, 0.3295

Protanomaly

17.5239, 0.3898, 0.3483

Deuteranomaly

17.6806, 0.4248, 0.3634

Tritanomaly

17.9924, 0.4716, 0.3243

Monochromacy



Original Color

18.1000, 0.4755, 0.3295

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.9627, 0.3673, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1000, 0.4755, 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(190, 85, 85)` looks like.

```
.text, #text, p{  
    color:rgb(190, 85, 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(190, 85, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 85, 85) }
```

Border

The CSS property to change the border of an element to Yxy 18.1000, 0.4755, 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(190, 85, 85) }
```

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

```
.border{ border-color:rgb(190, 85, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 85, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 85, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 85, 85);  
box-shadow:4px 4px 4px 4px rgb(190, 85,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1000, 0.4755, 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(190, 85, 85) }
```

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

```
.background{ background-color: rgb(190, 85,  
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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