

Converting Colors

$Y_{xy}(18.5659, 0.5538, 0.3566)$

Have a look what the booklet for
Yxy(18.5659, 0.5538, 0.3566)
contains.

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Color

Yxy(18.4948, 0.5540, 0.3565)

Conversions

Conversions Part 1

Format	Color
Hex	CF4B2E
RGB	207, 75, 46
RGB Percent	81%, 29%, 18%
CMY	0.1883, 0.7058, 0.8195
CMYK	0.00, 0.64, 0.78, 0.19
HSL	11°, 64%, 50%
HSV	11°, 78%, 81%
XYZ	28.7409, 18.4948, 4.6432
YIQ	111.1620, 87.9810, 18.9650

Conversions

Conversions Part 2

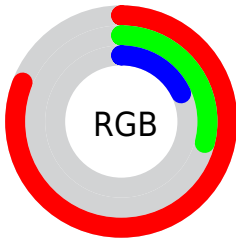
Format	Color
R _Y B	207, 81, 46
Decimal	13585198
CIE Lab	50.09, 50.73, 44.08
CIE LCh	50, 67.201, 40.987
Yxy	18.4948, 0.5540, 0.3565
Android (android.graphics.Color)	4291775278 (0xFFCF4B2E)
YUV	111.1620, -32.1249, 84.0499
Hunter-Lab	43.0056, 44.0328, 23.7026

Details

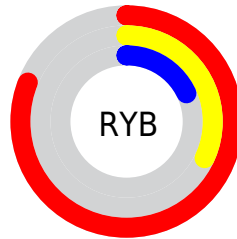
The Yxy color **18.4948, 0.5540, 0.3565** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **36.9337, 0.2179, 0.2843**, and the grayscale version is **16.0242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7687, 0.4911, 0.3629**, and **6.2827, 0.6321, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **16.3663, 0.5905, 0.3524**, and if you desaturate by 10%, it is **21.3183, 0.5123, 0.3574**.

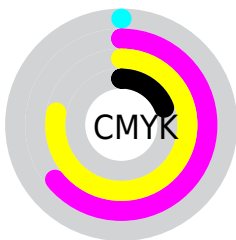
Distribution



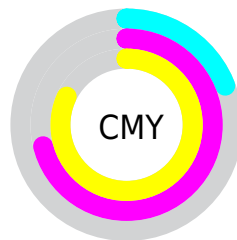
- Red (81%)
- Green (29%)
- Blue (18%)



- Red (81%)
- Yellow (32%)
- Blue (18%)



- Cyan (0%)
- Magenta (64%)
- Yellow (78%)
- Black (19%)





- Cyan (19%)
- Magenta (71%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4948, 0.5540, 0.3565 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 18.4948, 0.5540, 0.3565 by changing the saturation by 10% instead.


 18.4948, 0.5540,
0.3565


 18.4948, 0.5540,
0.3565

243.6454, 0.4194,
0.3548


 11.3058, 0.5888,
0.3498


 40.8787, 0.5032,
0.3604


 6.2729, 0.6337,
0.3370


 56.8423, 0.4845,
0.3604

 3.0117, 0.6891,
0.3109

 76.4997, 0.4689,
0.3598

 1.1379, 0.7439,
0.2561

 100.2351, 0.4558,
0.3589

 0.0101, 0.9924,
0.0076

 128.4330, 0.4446,
0.3579

 0.0000, 1.0000,
0.0000

 161.4777, 0.4350,

 0.0000, 0.0000,

0.3569

0.0000

199.7537, 0.4267,
0.3558

■ 18.4948, 0.5540,
0.3565

■ 18.4948, 0.5540,
0.3565

■ 16.3663, 0.5905,
0.3524

■ 21.3183, 0.5123,
0.3574

■ 14.8652, 0.6172,
0.3455

■ 24.8880, 0.4705,
0.3556

■ 14.6043, 0.6222,
0.3442

■ 29.2540, 0.4318,
0.3519

■ 34.4610, 0.3980,
0.3473

■ 40.5502, 0.3693,
0.3423

■ 47.5603, 0.3453,
0.3373

■ 55.5274, 0.3256,
0.3325

■ 64.4860, 0.3093,
0.3280

■ 74.4685, 0.2959,
0.3240

Harmonies

Analogous

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



18.4948, 0.5020, 0.2827



18.4948, 0.5540, 0.3565



18.4948, 0.5203, 0.4384

Triad

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



18.4948, 0.5540, 0.3565



18.4948, 0.2207, 0.4951



18.4948, 0.1702, 0.1570

Complementary

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



18.4948, 0.5540, 0.3565



36.9337, 0.2179, 0.2843

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.



18.4948, 0.1276, 0.1706



18.4948, 0.5540, 0.3565



18.4948, 0.1472, 0.3413

Square

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



18.4948, 0.5540, 0.3565



18.4948, 0.3262, 0.5682



18.4948, 0.1191, 0.2256



18.4948, 0.2545, 0.1739

Rectangle

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



18.4948, 0.5540, 0.3565



18.4948, 0.4662, 0.4965



18.4948, 0.1191, 0.2256



18.4948, 0.1518, 0.1578

Sweetspot

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



18.4959, 0.5540, 0.3565



69.8430, 0.3580, 0.3400



18.5233, 0.3550, 0.1881



14.0977, 0.3671, 0.3418



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.



18.4959, 0.5540, 0.3565



24.5923, 0.6087, 0.3482



36.3564, 0.4614, 0.4453



12.1475, 0.3286, 0.3333



9.3016, 0.6202, 0.3458



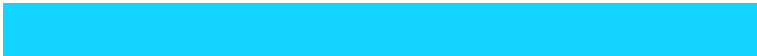
0.6268, 0.5863, 0.3726

Inverse Universe

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



36.9337, 0.2179, 0.2843



54.5870, 0.2102, 0.2737



14.1408, 0.1840, 0.1538



13.0299, 0.2983, 0.3247



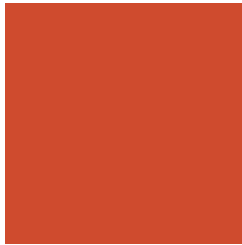
21.0155, 0.2086, 0.2708



1.2718, 0.2119, 0.2826

Previews

White Background



This preview shows how the Yxy color 18.4948, 0.5540, 0.3565 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 18.4948, 0.5540, 0.3565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

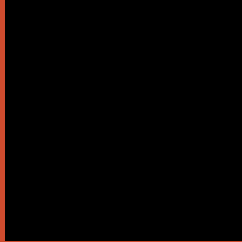
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.4948, 0.5540, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 18.4948, 0.5540, 0.3565.



This preview shows how white text looks on a background with the Yxy color 18.4948, 0.5540, 0.3565.

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

18.4948, 0.5540, 0.3565

Protanopia

18.6542, 0.4003, 0.4387

Deuteranopia

18.6460, 0.4521, 0.4457



Tritanopia

18.4382, 0.5202, 0.3244

Trichromacy



Original Color

18.4948, 0.5540, 0.3565

Protanomaly

17.5379, 0.4601, 0.4052

Deuteranomaly

17.9255, 0.4942, 0.4076

Tritanomaly

18.4263, 0.5351, 0.3367

Monochromacy



Original Color

18.4948, 0.5540, 0.3565

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.5345, 0.4028, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4948, 0.5540, 0.3565 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(207, 75, 46)` looks like.

```
.text, #text, p{  
  color:rgb(207, 75, 46)  
}
```

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(207, 75, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 75, 46) }
```

Border

The CSS property to change the border of an element to Yxy 18.4948, 0.5540, 0.3565 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(207, 75, 46) }
```

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

```
.border{ border-color:rgb(207, 75, 46) }
```

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

Here you see how a box with a 4 pixel rgb(207, 75, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 75, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 75, 46);  
box-shadow:4px 4px 4px 4px rgb(207, 75,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4948, 0.5540, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 75, 46) }
```

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

```
.background{ background-color: rgb(207, 75,  
46) }
```

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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