

Converting Colors

$Y_{xy}(18.5192, 0.5670, 0.3683)$

Have a look what the booklet for
Yxy(18.5192, 0.5670, 0.3683)
contains.

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Color

Yxy(18.5230, 0.5674, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	CF4C1D
RGB	207, 76, 29
RGB Percent	81%, 30%, 11%
CMY	0.1883, 0.7019, 0.8863
CMYK	0.00, 0.63, 0.86, 0.19
HSL	16°, 75%, 46%
HSV	16°, 86%, 81%
XYZ	28.5364, 18.5230, 3.2339
YIQ	109.8110, 93.1630, 13.1550

Conversions

Conversions Part 2

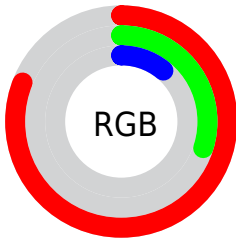
Format	Color
RYB	207, 93, 29
Decimal	13585437
CIELab	50.12, 49.78, 52.07
CIElCh	50, 72.041, 46.286
Yxy	18.5230, 0.5674, 0.3683
Android (android.graphics.Color)	4291775517 (0xFFCF4C1D)
YUV	109.8110, -39.8398, 85.2348
Hunter-Lab	43.0384, 43.0365, 25.6719

Details

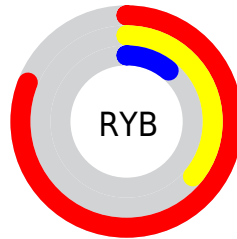
The Yxy color **18.5230, 0.5674, 0.3683** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **29.8990, 0.2067, 0.2539**, and the grayscale version is **15.6344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7753, 0.5049, 0.3770**, and **6.3614, 0.6298, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **16.5969, 0.5960, 0.3606**, and if you desaturate by 10%, it is **21.0166, 0.5317, 0.3718**.

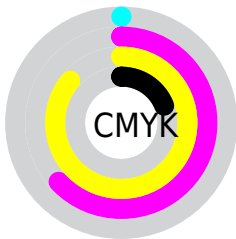
Distribution



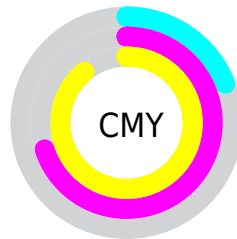
- Red (81%)
- Green (30%)
- Blue (11%)



- Red (81%)
- Yellow (36%)
- Blue (11%)



- Cyan (0%)
- Magenta (63%)
- Yellow (86%)
- Black (19%)





- Cyan (19%)
- Magenta (70%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5230, 0.5674, 0.3683 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 18.5230, 0.5674, 0.3683 by changing the saturation by 10% instead.


 18.5230, 0.5674,
0.3683


 18.5230, 0.5674,
0.3683


243.8026, 0.4283,
0.3638


 11.3261, 0.6008,
0.3605


 40.9265, 0.5165,
0.3725


 6.2866, 0.6501,
0.3499

 56.9019, 0.4972,
0.3721


 3.0201, 0.6860,
0.3140


 76.5723, 0.4809,
0.3711

 1.1423, 0.7403,
0.2597

 100.3221, 0.4671,
0.3698

 0.0138, 0.9894,
0.0106

 128.5356, 0.4553,
0.3683


 0.0000, 1.0000,
0.0000


 161.5973, 0.4451,


 0.0000, 0.0000,


0.3668


0.0000


 199.8915, 0.4362,
0.3653


 18.5230, 0.5674,
0.3683


 18.5230, 0.5674,
0.3683

 16.5969, 0.5960,
0.3606

 21.0166, 0.5317,
0.3718

 15.9655, 0.6058,
0.3572

 24.1188, 0.4931,
0.3711

 27.8696, 0.4552,
0.3672

 32.3048, 0.4203,
0.3613

 37.4571, 0.3896,
0.3543

■ 43.3572, 0.3633,
0.3470

■ 50.0340, 0.3410,
0.3398

■ 57.5146, 0.3224,
0.3329

■ 65.8250, 0.3068,
0.3265

Harmonies

Analogous

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



18.5230, 0.5317, 0.2915



18.5230, 0.5674, 0.3683



18.5230, 0.5157, 0.4557

Triad

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



18.5230, 0.5674, 0.3683



18.5230, 0.1965, 0.4814



18.5230, 0.1747, 0.1497

Complementary

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



18.5230, 0.5674, 0.3683



29.8990, 0.2067, 0.2539

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.



18.5230, 0.1240, 0.1571



18.5230, 0.5674, 0.3683



18.5230, 0.1295, 0.3136

Square

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



18.5230, 0.5674, 0.3683



18.5230, 0.3028, 0.5836



18.5230, 0.1090, 0.2041



18.5230, 0.2710, 0.1724

Rectangle

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



18.5230, 0.5674, 0.3683



18.5230, 0.4528, 0.5182



18.5230, 0.1090, 0.2041



18.5230, 0.1533, 0.1486

Sweetspot

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



18.5241, 0.5674, 0.3683



69.1663, 0.3641, 0.3472



16.7691, 0.3832, 0.1963



14.0680, 0.3729, 0.3498



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.



18.5241, 0.5674, 0.3683



25.3169, 0.6078, 0.3556



39.3675, 0.4582, 0.4630



12.3089, 0.3284, 0.3352



10.1933, 0.6034, 0.3591



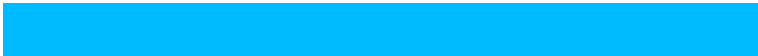
0.7016, 0.5666, 0.3883

Inverse Universe

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



29.8990, 0.2067, 0.2539



43.0341, 0.1998, 0.2391



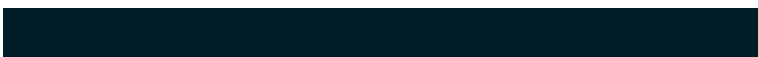
9.5969, 0.1690, 0.1144



12.8566, 0.2983, 0.3227



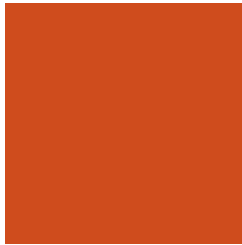
17.2147, 0.2004, 0.2416



1.0884, 0.2054, 0.2595

Previews

White Background



This preview shows how the Yxy color 18.5230, 0.5674, 0.3683 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 18.5230, 0.5674, 0.3683 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 18.5230, 0.5674, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 18.5230, 0.5674, 0.3683.



This preview shows how white text looks on a background with the Yxy color 18.5230, 0.5674, 0.3683.

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

18.5230, 0.5674, 0.3683

Protanopia

18.6545, 0.4201, 0.4629

Deuteranopia

18.7100, 0.4708, 0.4644



Tritanopia

18.4244, 0.5217, 0.3254

Trichromacy



Original Color

18.5230, 0.5674, 0.3683

Protanomaly

17.6051, 0.4801, 0.4233

Deuteranomaly

17.9092, 0.5129, 0.4247

Tritanomaly

18.4805, 0.5433, 0.3443

Monochromacy



Original Color

18.5230, 0.5674, 0.3683

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.3492, 0.4105, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5230, 0.5674, 0.3683 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, 76, 29)` looks like.

```
.text, #text, p{  
    color:rgb(207, 76, 29)  
}
```

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, 76, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 76, 29) }
```

Border

The CSS property to change the border of an element to Yxy 18.5230, 0.5674, 0.3683 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, 76, 29) }
```

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

```
.border{ border-color:rgb(207, 76, 29) }
```

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

Here you see how a box with a 4 pixel rgb(207, 76, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 76, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 76, 29);  
box-shadow:4px 4px 4px 4px rgb(207, 76,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5230, 0.5674, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 76, 29) }
```

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

```
.background{ background-color: rgb(207, 76,  
29) }
```

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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