

Converting Colors

$Y_{xy}(16.3995, 0.5868, 0.3515)$

Have a look what the booklet for
Yxy(16.3995, 0.5868, 0.3515)
contains.

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Color

$Y_{xy}(16.4820, 0.5868, 0.3515)$

Conversions

Conversions Part 1

Format	Color
Hex	CF3B1D
RGB	207, 59, 29
RGB Percent	81%, 23%, 11%
CMY	0.1883, 0.7685, 0.8863
CMYK	0.00, 0.71, 0.86, 0.19
HSL	10°, 75%, 46%
HSV	10°, 86%, 81%
XYZ	27.5153, 16.4820, 2.8931
YIQ	99.8320, 97.8380, 22.0460

Conversions

Conversions Part 2

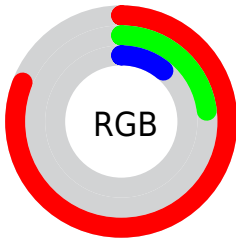
Format	Color
RYB	207, 65, 29
Decimal	13581085
CIELab	47.60, 56.62, 49.98
CIElCh	48, 75.522, 41.433
Yxy	16.4820, 0.5868, 0.3515
Android (android.graphics.Color)	4291771165 (0xFFCF3B1D)
YUV	99.8320, -34.9202, 93.9863
Hunter-Lab	40.5980, 49.9319, 24.1934

Details

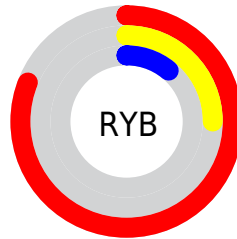
The Yxy color **16.4820, 0.5868, 0.3515** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **36.1923, 0.2143, 0.2822**, and the grayscale version is **12.7738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0573, 0.5193, 0.3631**, and **5.9293, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.9250, 0.6151, 0.3452**, and if you desaturate by 10%, it is **18.6924, 0.5488, 0.3550**.

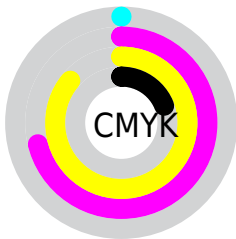
Distribution



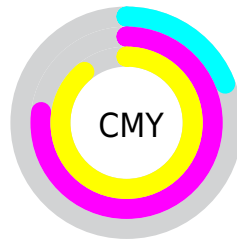
- Red (81%)
- Green (23%)
- Blue (11%)



- Red (81%)
- Yellow (25%)
- Blue (11%)



- Cyan (0%)
- Magenta (71%)
- Yellow (86%)
- Black (19%)





- Cyan (19%)
- Magenta (77%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4820, 0.5868, 0.3515 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 16.4820, 0.5868, 0.3515 by changing the saturation by 10% instead.


 16.4820, 0.5868,
0.3515


 16.4820, 0.5868,
0.3515


232.1693, 0.4346,
0.3575


 9.8659, 0.6240,
0.3401


 37.4330, 0.5304,
0.3602


 5.3101, 0.6768,
0.3232

 52.5366, 0.5093,
0.3613


 2.4303, 0.7189,
0.2811

 71.2382, 0.4915,
0.3615

 0.8414, 0.7820,
0.2180

 93.9222, 0.4765,
0.3610


 0.0000, 1.0000,
0.0000


 120.9728, 0.4637,
0.3603

 0.0000, 0.0000,
0.0000


 152.7747, 0.4526,

0.3594

 189.7120, 0.4431,
0.3585


 16.4820, 0.5868,
0.3515


 16.4820, 0.5868,
0.3515

 14.9250, 0.6151,
0.3452


 18.6924, 0.5488,
0.3550

 14.4612, 0.6240,
0.3427

 21.6169, 0.5064,
0.3554

 25.3123, 0.4644,
0.3534

 29.8287, 0.4261,
0.3498

 35.2117, 0.3929,
0.3453

■ 41.5039, 0.3649,
0.3406

■ 48.7447, 0.3416,
0.3359

■ 56.9713, 0.3225,
0.3315

■ 66.2190, 0.3068,
0.3274

Harmonies

Analogous

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



16.4820, 0.5337, 0.2741



16.4820, 0.5868, 0.3515



16.4820, 0.5394, 0.4410

Triad

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



16.4820, 0.5868, 0.3515



16.4820, 0.2016, 0.5259



16.4820, 0.1541, 0.1383

Complementary

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



16.4820, 0.5868, 0.3515



36.1923, 0.2143, 0.2822

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.



16.4820, 0.1087, 0.1506



16.4820, 0.5868, 0.3515



16.4820, 0.1246, 0.3369

Square

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



16.4820, 0.5868, 0.3515



16.4820, 0.3163, 0.6087



16.4820, 0.0982, 0.2069



16.4820, 0.2467, 0.1571

Rectangle

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



16.4820, 0.5868, 0.3515



16.4820, 0.4753, 0.5105



16.4820, 0.0982, 0.2069



16.4820, 0.1345, 0.1387

Sweetspot

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



16.4830, 0.5868, 0.3515



66.1771, 0.3657, 0.3408



17.3293, 0.3602, 0.1828



13.3751, 0.3750, 0.3424



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.



16.4830, 0.5868, 0.3515



22.9896, 0.6255, 0.3415



34.4245, 0.4751, 0.4483



12.1260, 0.3286, 0.3330



9.2072, 0.6221, 0.3443



0.6168, 0.5892, 0.3704

Inverse Universe

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



36.1923, 0.2143, 0.2822



54.2945, 0.2092, 0.2731



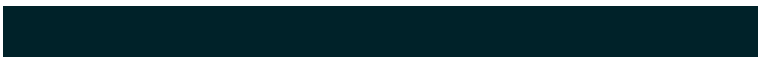
11.7986, 0.1745, 0.1347



13.0534, 0.2983, 0.3250



21.5663, 0.2096, 0.2747



1.2980, 0.2127, 0.2857

Previews

White Background



This preview shows how the Yxy color 16.4820, 0.5868, 0.3515 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 16.4820, 0.5868, 0.3515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

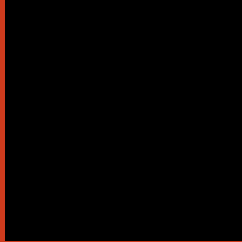
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4820, 0.5868, 0.3515

Background



This preview shows how black text looks on a background with the Yxy color 16.4820, 0.5868, 0.3515.



This preview shows how white text looks on a background with the Yxy color 16.4820, 0.5868, 0.3515.

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

16.4820, 0.5868, 0.3515

Protanopia

16.7211, 0.4150, 0.4564

Deuteranopia

16.6544, 0.4705, 0.4646



Tritanopia

16.5437, 0.5588, 0.3280

Trichromacy



Original Color

16.4820, 0.5868, 0.3515

Protanomaly

15.2133, 0.4869, 0.4101

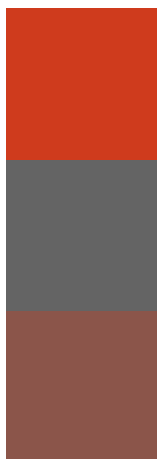
Deuteranomaly

15.5520, 0.5243, 0.4149

Tritanomaly

16.5414, 0.5719, 0.3380

Monochromacy



Original Color

16.4820, 0.5868, 0.3515

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4804, 0.4238, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4820, 0.5868, 0.3515 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, 59, 29)` looks like.

```
.text, #text, p{  
    color:rgb(207, 59, 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, 59, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 59, 29) }
```

Border

The CSS property to change the border of an element to Yxy 16.4820, 0.5868, 0.3515 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, 59, 29) }
```

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

```
.border{ border-color:rgb(207, 59, 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, 59, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 59, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 59, 29);  
box-shadow:4px 4px 4px 4px rgb(207, 59,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4820, 0.5868, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 59, 29) }
```

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

```
.background{ background-color: rgb(207, 59,  
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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