

Converting Colors

$Y_{xy}(16.7705, 0.5905, 0.3309)$

Have a look what the booklet for
Yxy(16.7705, 0.5905, 0.3309)
contains.

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Color

Yxy(16.8029, 0.5910, 0.3312)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | D92D2B |
| RGB | 217, 45, 43 |
| RGB Percent | 85%, 18%, 17% |
| CMY | 0.1491, 0.8232, 0.8314 |
| CMYK | 0.00, 0.79, 0.80, 0.15 |
| HSL | 1°, 70%, 51% |
| HSV | 1°, 80%, 85% |
| XYZ | 29.9834, 16.8029, 3.9471 |
| YIQ | 96.2000, 103.1540, 35.8420 |

Conversions

Conversions Part 2

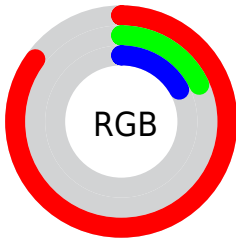
| Format | Color |
|-------------------------------------|---|
| RYB | 217, 45, 43 |
| Decimal | 14232875 |
| CIELab | 48.01, 64.46, 44.17 |
| CIElCh | 48, 78.144, 34.421 |
| Yxy | 16.8029, 0.5910, 0.3312 |
| Android (android.graphics.Color) | 4292422955 (0xFFD92D2B) |
| YUV | 96.2000, -26.2276, 105.9416 |
| Hunter-Lab | 40.9913, 58.8304, 22.9849 |

Details

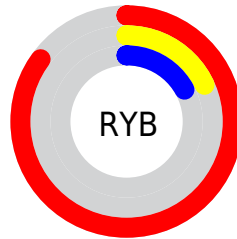
The Yxy color **16.8029, 0.5910, 0.3312** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **54.0647, 0.2277, 0.3258**, and the grayscale version is **11.8025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5136, 0.5129, 0.3449**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.4409, 0.6227, 0.3308**, and if you desaturate by 10%, it is **19.0815, 0.5475, 0.3314**.

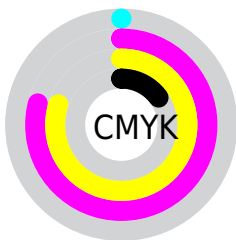
Distribution



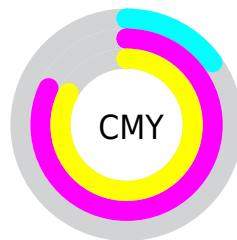
- Red (85%)
- Green (18%)
- Blue (17%)



- Red (85%)
- Yellow (18%)
- Blue (17%)



- Cyan (0%)
- Magenta (79%)
- Yellow (80%)
- Black (15%)





- Cyan (15%)
- Magenta (82%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8029, 0.5910, 0.3312 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 16.8029, 0.5910, 0.3312 by changing the saturation by 10% instead.


 16.8029, 0.5910,
0.3312


 16.8029, 0.5910,
0.3312


234.0340, 0.4349,
0.3465


 10.0941, 0.6308,
0.3188


 37.9866, 0.5322,
0.3425


 5.4614, 0.6847,
0.2995

 53.2302, 0.5105,
0.3449


 2.5204, 0.7393,
0.2607

 72.0876, 0.4924,
0.3462

 0.8868, 0.8025,
0.1975

 94.9430, 0.4772,
0.3468

 0.0000, 1.0000,
0.0000

 122.1810, 0.4642,
0.3471

 0.0000, 0.0000,
0.0000

 154.1859, 0.4530,

0.3470

191.3421, 0.4434,
0.3468

■ 16.8029, 0.5910,
0.3312

■ 16.8029, 0.5910,
0.3312

■ 15.4409, 0.6227,
0.3308

■ 19.0815, 0.5475,
0.3314


■ 14.8039, 0.6394,
0.3305


■ 22.3959, 0.4997,
0.3313

■ 26.8509, 0.4539,
0.3310

■ 32.5373, 0.4136,
0.3306

■ 39.5371, 0.3800,
0.3302

 47.9251, 0.3526,
0.3297

 57.7705, 0.3306,
0.3294

 69.1379, 0.3130,
0.3290

 82.0880, 0.2989,
0.3287

Harmonies

Analogous

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



16.8029, 0.5107, 0.2548



16.8029, 0.5910, 0.3312



16.8029, 0.5610, 0.4176

Triad

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



16.8029, 0.5910, 0.3312



16.8029, 0.2233, 0.5693



16.8029, 0.1367, 0.1348

Complementary

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



16.8029, 0.5910, 0.3312



54.0647, 0.2277, 0.3258

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.



16.8029, 0.0999, 0.1554



16.8029, 0.5910, 0.3312



16.8029, 0.1336, 0.3805

Square

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



16.8029, 0.5910, 0.3312



16.8029, 0.3431, 0.6092



16.8029, 0.0969, 0.2264



16.8029, 0.2178, 0.1468

Rectangle

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



16.8029, 0.5910, 0.3312



16.8029, 0.5025, 0.4873



16.8029, 0.0969, 0.2264



16.8029, 0.1203, 0.1376

Sweetspot

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



16.8039, 0.5910, 0.3312



63.9676, 0.3629, 0.3299



21.4824, 0.3205, 0.1639



12.7744, 0.3729, 0.3301



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.



16.8039, 0.5910, 0.3312



21.5736, 0.6347, 0.3304



30.8814, 0.4990, 0.4162



13.0764, 0.3291, 0.3293



8.9750, 0.6391, 0.3307



0.5905, 0.6363, 0.3330

Inverse Universe

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



54.0647, 0.2277, 0.3258



76.9480, 0.2240, 0.3252



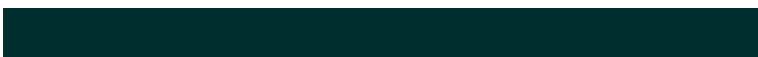
21.4812, 0.1926, 0.1925



14.8014, 0.2982, 0.3287



32.2801, 0.2237, 0.3251



2.1000, 0.2238, 0.3258

Previews

White Background



This preview shows how the Yxy color 16.8029, 0.5910, 0.3312 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 16.8029, 0.5910, 0.3312 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 16.8029, 0.5910, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 16.8029, 0.5910, 0.3312.



This preview shows how white text looks on a background with the Yxy color 16.8029, 0.5910, 0.3312.

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

16.8029, 0.5910, 0.3312

Protanopia

17.0449, 0.3933, 0.4296

Deuteranopia

16.9504, 0.4570, 0.4509



Tritanopia

16.8179, 0.5889, 0.3298

Trichromacy



Original Color

16.8029, 0.5910, 0.3312

Protanomaly

14.9591, 0.4766, 0.3824

Deuteranomaly

15.4233, 0.5208, 0.3938

Tritanomaly

16.8103, 0.5900, 0.3305

Monochromacy



Original Color

16.8029, 0.5910, 0.3312

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.4190, 0.4271, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8029, 0.5910, 0.3312 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(217, 45, 43)` looks like.

```
.text, #text, p{  
    color:rgb(217, 45, 43)  
}
```

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(217, 45, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 45, 43) }
```

Border

The CSS property to change the border of an element to Yxy 16.8029, 0.5910, 0.3312 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(217, 45, 43) }
```

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

```
.border{ border-color:rgb(217, 45, 43) }
```

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

Here you see how a box with a 4 pixel rgb(217, 45, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 45, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 45, 43);  
box-shadow:4px 4px 4px 4px rgb(217, 45,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8029, 0.5910, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 45, 43) }
```

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

```
.background{ background-color: rgb(217, 45,  
43) }
```

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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