

Converting Colors

$Y_{xy}(16.2715, 0.5983, 0.3286)$

Have a look what the booklet for
Yxy(16.2715, 0.5983, 0.3286)
contains.

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Color

Yxy(16.2911, 0.5990, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	D92628
RGB	217, 38, 40
RGB Percent	85%, 15%, 16%
CMY	0.1491, 0.8508, 0.8433
CMYK	0.00, 0.82, 0.82, 0.15
HSL	359°, 70%, 50%
HSV	359°, 82%, 85%
XYZ	29.6878, 16.2911, 3.5833
YIQ	91.7490, 106.0420, 38.5700

Conversions

Conversions Part 2

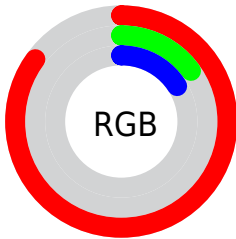
Format	Color
RYB	217, 38, 40
Decimal	14231080
CIELab	47.35, 66.17, 45.14
CIELCh	47, 80.099, 34.301
Yxy	16.2911, 0.5990, 0.3287
Android (android.graphics.Color)	4292421160 (0xFFD92628)
YUV	91.7490, -25.5123, 109.8451
Hunter-Lab	40.3622, 60.6588, 22.9898

Details

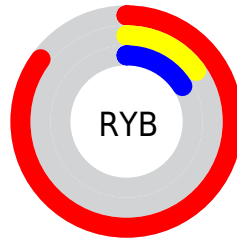
The Yxy color **16.2911, 0.5990, 0.3287** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **54.9420, 0.2285, 0.3314**, and the grayscale version is **10.6885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4509, 0.5201, 0.3428**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.1760, 0.6274, 0.3293**, and if you desaturate by 10%, it is **18.2969, 0.5574, 0.3283**.

Distribution



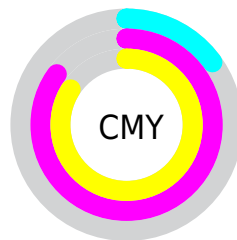
- Red (85%)
- Green (15%)
- Blue (16%)



- Red (85%)
- Yellow (15%)
- Blue (16%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (15%)





- Cyan (15%)
- Magenta (85%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2911, 0.5990, 0.3287 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 16.2911, 0.5990, 0.3287 by changing the saturation by 10% instead.


 16.2911, 0.5990,
0.3287


 16.2911, 0.5990,
0.3287


231.0534, 0.4384,
0.3465


 9.7304, 0.6396,
0.3151


 37.1028, 0.5387,
0.3413


 5.2206, 0.6967,
0.2953

 52.1226, 0.5163,
0.3441


 2.3772, 0.7474,
0.2526

 70.7309, 0.4977,
0.3456

 0.8141, 0.8126,
0.1874

 93.3121, 0.4820,
0.3464

 0.0000, 1.0000,
0.0000

 120.2505, 0.4686,
0.3468

 0.0000, 0.0000,
0.0000

 151.9306, 0.4571,

0.3468

188.7368, 0.4471,
0.3467

16.2911, 0.5990,
0.3287

16.2911, 0.5990,
0.3287

15.1760, 0.6274,
0.3293

18.2969, 0.5574,
0.3283


14.7546, 0.6392,
0.3295


21.3245, 0.5099,
0.3281

25.4867, 0.4633,
0.3280


30.8803, 0.4216,
0.3281

37.5922, 0.3866,
0.3283

 45.7012, 0.3580,
0.3285

 55.2800, 0.3350,
0.3287

 66.3963, 0.3166,
0.3289

 79.1135, 0.3020,
0.3292

Harmonies

Analogous

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



16.2911, 0.5168, 0.2518



16.2911, 0.5990, 0.3287



16.2911, 0.5667, 0.4163

Triad

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



16.2911, 0.5990, 0.3287



16.2911, 0.2195, 0.5801



16.2911, 0.1324, 0.1305

Complementary

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



16.2911, 0.5990, 0.3287



54.9420, 0.2285, 0.3314

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.



16.2911, 0.0955, 0.1511



16.2911, 0.5990, 0.3287



16.2911, 0.1287, 0.3824

Square

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



16.2911, 0.5990, 0.3287



16.2911, 0.3413, 0.6175



16.2911, 0.0921, 0.2229



16.2911, 0.2145, 0.1426

Rectangle

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



16.2911, 0.5990, 0.3287



16.2911, 0.5068, 0.4892



16.2911, 0.0921, 0.2229



16.2911, 0.1159, 0.1333

Sweetspot

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



16.2921, 0.5990, 0.3287



62.4333, 0.3653, 0.3285



20.6954, 0.3172, 0.1603



12.4693, 0.3753, 0.3284



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.



16.2921, 0.5990, 0.3287



21.3268, 0.6381, 0.3296



29.4403, 0.5083, 0.4130



13.0538, 0.3290, 0.3288



8.9339, 0.6389, 0.3293



0.5796, 0.6351, 0.3273

Inverse Universe

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



16.2921, 0.5990, 0.3287



21.3268, 0.6381, 0.3296



21.5213, 0.1916, 0.1929



13.0538, 0.3290, 0.3288



8.9339, 0.6389, 0.3293



0.5796, 0.6351, 0.3273

Previews

White Background



This preview shows how the Yxy color 16.2911, 0.5990, 0.3287 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 16.2911, 0.5990, 0.3287 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 16.2911, 0.5990, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 16.2911, 0.5990, 0.3287.



This preview shows how white text looks on a background with the Yxy color 16.2911, 0.5990, 0.3287.

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

16.2911, 0.5990, 0.3287

Protanopia

16.4965, 0.3959, 0.4303

Deuteranopia

16.4130, 0.4623, 0.4535



Tritanopia

16.2715, 0.6020, 0.3304

Trichromacy



Original Color

16.2911, 0.5990, 0.3287

Protanomaly

14.1817, 0.4831, 0.3791

Deuteranomaly

14.6693, 0.5294, 0.3919

Tritanomaly

16.2779, 0.6010, 0.3299

Monochromacy



Original Color

16.2911, 0.5990, 0.3287

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.4341, 0.4343, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2911, 0.5990, 0.3287 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, 38, 40)` looks like.

```
.text, #text, p{  
    color:rgb(217, 38, 40)  
}
```

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, 38, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 38, 40) }
```

Border

The CSS property to change the border of an element to Yxy 16.2911, 0.5990, 0.3287 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, 38, 40) }
```

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

```
.border{ border-color:rgb(217, 38, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 38, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 38, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 38, 40);  
box-shadow:4px 4px 4px 4px rgb(217, 38,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2911, 0.5990, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 38, 40) }
```

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

```
.background{ background-color: rgb(217, 38,  
40) }
```

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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