

Converting Colors

$Yxy(16.3054, 0.5839, 0.3291)$

Have a look what the booklet for
Yxy(16.3054, 0.5839, 0.3291)
contains.

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Color

Yxy(16.3054, 0.5839, 0.3291)

Conversions

Conversions Part 1

Format	Color
Hex	D52E2F
RGB	213, 46, 47
RGB Percent	84%, 18%, 18%
CMY	0.1647, 0.8195, 0.8157
CMYK	0.00, 0.78, 0.78, 0.16
HSL	360°, 67%, 51%
HSV	360°, 78%, 84%
XYZ	28.9296, 16.3054, 4.3105
YIQ	96.0470, 99.2110, 35.7150

Conversions

Conversions Part 2

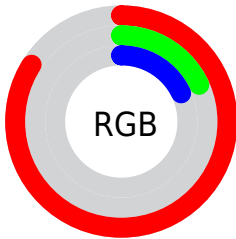
Format	Color
RYB	213, 46, 47
Decimal	13970991
CIELab	47.37, 63.18, 41.10
CIELCh	47, 75.369, 33.046
Yxy	16.3054, 0.5839, 0.3291
Android (android.graphics.Color)	4292161071 (0xFFD52E2F)
YUV	96.0470, -24.1802, 102.5678
Hunter-Lab	40.3799, 57.2186, 21.9369

Details

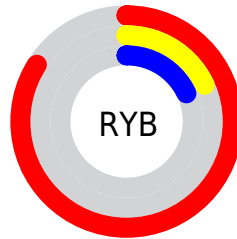
The Yxy color **16.3054, 0.5839, 0.3291** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **52.9225, 0.2296, 0.3301**, and the grayscale version is **11.7536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5835, 0.5085, 0.3415**, and **6.4884, 0.6383, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **14.9027, 0.6182, 0.3294**, and if you desaturate by 10%, it is **18.6176, 0.5390, 0.3289**.

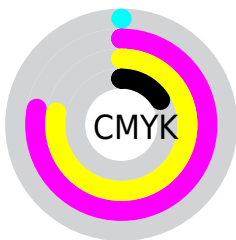
Distribution



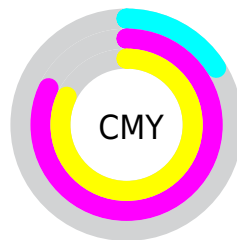
- Red (84%)
- Green (18%)
- Blue (18%)



- Red (84%)
- Yellow (18%)
- Blue (18%)



- Cyan (0%)
- Magenta (78%)
- Yellow (78%)
- Black (16%)




- Cyan (16%)
- Magenta (82%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3054, 0.5839, 0.3291 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 16.3054, 0.5839, 0.3291 by changing the saturation by 10% instead.


 16.3054, 0.5839,
0.3291


 16.3054, 0.5839,
0.3291


231.1371, 0.4301,
0.3441


 9.7405, 0.6243,
0.3172


 37.1276, 0.5253,
0.3400


 5.2273, 0.6779,
0.2978

 52.1537, 0.5038,
0.3423

 2.3812, 0.7391,
0.2609

 70.7690, 0.4861,
0.3436

 0.8162, 0.8040,
0.1960

 93.3578, 0.4712,
0.3442

 0.0000, 1.0000,
0.0000

 120.3047, 0.4585,
0.3445

 0.0000, 0.0000,
0.0000

 151.9939, 0.4477,

0.3445

188.8100, 0.4383,
0.3444

■ 16.3054, 0.5839,
0.3291

■ 16.3054, 0.5839,
0.3291

■ 14.9027, 0.6182,
0.3294

■ 18.6176, 0.5390,
0.3289

■ 14.2299, 0.6372,
0.3297


■ 21.9546, 0.4911,
0.3287

■ 14.1481, 0.6396,
0.3297

■ 26.4176, 0.4460,
0.3287

■ 32.0952, 0.4069,
0.3287

■ 39.0671, 0.3744,
0.3288

 47.4062, 0.3481,
0.3288

 57.1799, 0.3271,
0.3289

 68.4512, 0.3103,
0.3290

 81.2794, 0.2968,
0.3291

Harmonies

Analogous

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



16.3054, 0.4999, 0.2534



16.3054, 0.5839, 0.3291



16.3054, 0.5603, 0.4140

Triad

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



16.3054, 0.5839, 0.3291



16.3054, 0.2314, 0.5678



16.3054, 0.1372, 0.1382

Complementary

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



16.3054, 0.5839, 0.3291



52.9225, 0.2296, 0.3301

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.



16.3054, 0.1023, 0.1607



16.3054, 0.5839, 0.3291



16.3054, 0.1404, 0.3884

Square

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



16.3054, 0.5839, 0.3291



16.3054, 0.3501, 0.6008



16.3054, 0.1011, 0.2342



16.3054, 0.2151, 0.1486

Rectangle

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



16.3054, 0.5839, 0.3291



16.3054, 0.5047, 0.4811



16.3054, 0.1011, 0.2342



16.3054, 0.1215, 0.1415

Sweetspot

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



16.3064, 0.5839, 0.3291



63.6565, 0.3628, 0.3288



20.4925, 0.3172, 0.1640



12.7026, 0.3728, 0.3288



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.



16.3064, 0.5839, 0.3291



21.6497, 0.6321, 0.3297



29.4511, 0.4974, 0.4128



12.4220, 0.3290, 0.3289



8.6433, 0.6394, 0.3296



0.5217, 0.6373, 0.3284

Inverse Universe

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



16.3064, 0.5839, 0.3291



21.6497, 0.6321, 0.3297



21.9672, 0.1958, 0.2007



12.4220, 0.3290, 0.3289



8.6433, 0.6394, 0.3296



0.5217, 0.6373, 0.3284

Previews

White Background



This preview shows how the Yxy color 16.3054, 0.5839, 0.3291 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 16.3054, 0.5839, 0.3291 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 16.3054, 0.5839, 0.3291

Background



This preview shows how black text looks on a background with the Yxy color 16.3054, 0.5839, 0.3291.



This preview shows how white text looks on a background with the Yxy color 16.3054, 0.5839, 0.3291.

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

16.3054, 0.5839, 0.3291

Protanopia

16.5006, 0.3863, 0.4185

Deuteranopia

16.3817, 0.4529, 0.4442



Tritanopia

16.3054, 0.5839, 0.3291

Trichromacy



Original Color

16.3054, 0.5839, 0.3291

Protanomaly

14.5389, 0.4669, 0.3751

Deuteranomaly

14.9683, 0.5133, 0.3888

Tritanomaly

16.3054, 0.5839, 0.3291

Monochromacy



Original Color

16.3054, 0.5839, 0.3291

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.4878, 0.4228, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3054, 0.5839, 0.3291 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(213, 46, 47)` looks like.

```
.text, #text, p{  
    color:rgb(213, 46, 47)  
}
```

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(213, 46, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 46, 47) }
```

Border

The CSS property to change the border of an element to Yxy 16.3054, 0.5839, 0.3291 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(213, 46, 47) }
```

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

```
.border{ border-color:rgb(213, 46, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 46, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 46, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 46, 47);  
box-shadow:4px 4px 4px 4px rgb(213, 46,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3054, 0.5839, 0.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 46, 47) }
```

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

```
.background{ background-color: rgb(213, 46,  
47) }
```

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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