

Converting Colors

$Yxy(15.9451, 0.5587, 0.3044)$

Have a look what the booklet for
Yxy(15.9451, 0.5587, 0.3044)
contains.

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Color

Yxy(15.8989, 0.5585, 0.3044)

Conversions

Conversions Part 1

Format	Color
Hex	D52545
RGB	213, 37, 69
RGB Percent	84%, 15%, 27%
CMY	0.1648, 0.8546, 0.7294
CMYK	0.00, 0.83, 0.68, 0.16
HSL	349°, 70%, 49%
HSV	349°, 83%, 84%
XYZ	29.1706, 15.8989, 7.1608
YIQ	93.2720, 94.6240, 47.2640

Conversions

Conversions Part 2

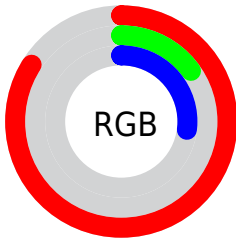
Format	Color
RYB	213, 37, 69
Decimal	13968709
CIELab	46.84, 66.40, 27.62
CIELCh	47, 71.912, 22.585
Yxy	15.8989, 0.5585, 0.3044
Android (android.graphics.Color)	4292158789 (0xFFD52545)
YUV	93.2720, -11.9661, 105.0015
Hunter-Lab	39.8734, 60.8086, 17.2636

Details

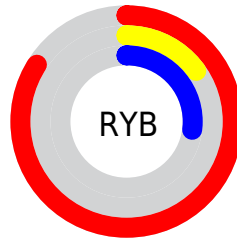
The Yxy color **15.8989, 0.5585, 0.3044** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **51.3085, 0.2417, 0.3769**, and the grayscale version is **11.0343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0471, 0.4839, 0.3152**, and **6.5632, 0.6093, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **14.7503, 0.5938, 0.3103**, and if you desaturate by 10%, it is **17.8852, 0.5173, 0.3017**.

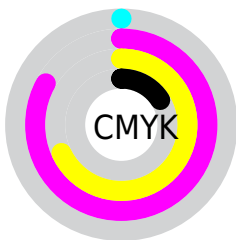
Distribution



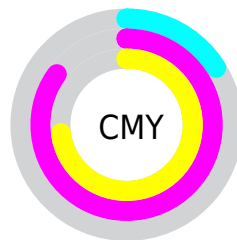
- Red (84%)
- Green (15%)
- Blue (27%)



- Red (84%)
- Yellow (15%)
- Blue (27%)



- Cyan (0%)
- Magenta (83%)
- Yellow (68%)
- Black (16%)





- Cyan (16%)
- Magenta (85%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8989, 0.5585, 0.3044 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 15.8989, 0.5585, 0.3044 by changing the saturation by 10% instead.


 15.8989, 0.5585,
0.3044


 15.8989, 0.5585,
0.3044


228.7444, 0.4158,
0.3280


 9.4526, 0.5994,
0.2927


 36.4226, 0.5022,
0.3168


 5.0376, 0.6534,
0.2735

 51.2688, 0.4823,
0.3202

 2.2693, 0.7427,
0.2465

 69.6838, 0.4661,
0.3226

 0.7574, 0.8181,
0.1819

 92.0520, 0.4526,
0.3243

 0.0000, 1.0000,
0.0000

 118.7578, 0.4412,
0.3257

 0.0000, 0.0000,
0.0000

 150.1855, 0.4315,

0.3266

186.7196, 0.4231,
0.3274

■ 15.8989, 0.5585,
0.3044

■ 15.8989, 0.5585,
0.3044

■ 14.7503, 0.5938,
0.3103

■ 17.8852, 0.5173,
0.3017

■ 14.2863, 0.6141,
0.3156

■ 20.8285, 0.4753,
0.3021

■ 24.8317, 0.4363,
0.3047

■ 29.9834, 0.4023,
0.3088

■ 36.3632, 0.3738,
0.3135

■ 44.0433, 0.3504,
0.3185

■ 53.0905, 0.3315,
0.3233

■ 63.5668, 0.3162,
0.3279

■ 75.5306, 0.3038,
0.3321

Harmonies

Analogous

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



15.8989, 0.4446, 0.2321



15.8989, 0.5585, 0.3044



15.8989, 0.5717, 0.3841

Triad

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



15.8989, 0.5585, 0.3044



15.8989, 0.2750, 0.5888



15.8989, 0.1255, 0.1466

Complementary

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



15.8989, 0.5585, 0.3044



51.3085, 0.2417, 0.3769

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.



15.8989, 0.1031, 0.1839



15.8989, 0.5585, 0.3044



15.8989, 0.1718, 0.4520

Square

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



15.8989, 0.5585, 0.3044



15.8989, 0.3930, 0.5709



15.8989, 0.1148, 0.2809



15.8989, 0.1860, 0.1462

Rectangle

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



15.8989, 0.5585, 0.3044



15.8989, 0.5316, 0.4447



15.8989, 0.1148, 0.2809



15.8989, 0.1143, 0.1542

Sweetspot

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



15.8999, 0.5585, 0.3044



62.9338, 0.3562, 0.3172



15.9215, 0.2829, 0.1423



12.5850, 0.3644, 0.3154



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.



15.8999, 0.5585, 0.3044



21.5317, 0.6137, 0.3160



22.0662, 0.5452, 0.3800



12.4572, 0.3263, 0.3248



8.7400, 0.6110, 0.3140



0.5384, 0.5647, 0.2884

Inverse Universe

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



15.8999, 0.5585, 0.3044



21.5317, 0.6137, 0.3160



29.4042, 0.2046, 0.2419



12.4572, 0.3263, 0.3248



8.7400, 0.6110, 0.3140



0.5384, 0.5647, 0.2884

Previews

White Background



This preview shows how the Yxy color 15.8989, 0.5585, 0.3044 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 15.8989, 0.5585, 0.3044 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 15.8989, 0.5585, 0.3044

Background



This preview shows how black text looks on a background with the Yxy color 15.8989, 0.5585, 0.3044.



This preview shows how white text looks on a background with the Yxy color 15.8989, 0.5585, 0.3044.

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

15.8989, 0.5585, 0.3044

Protanopia

16.2333, 0.3385, 0.3595

Deuteranopia

16.1600, 0.4194, 0.4135



Tritanopia

15.8992, 0.5902, 0.3298

Trichromacy



Original Color

15.8989, 0.5585, 0.3044

Protanomaly

13.8605, 0.4213, 0.3259

Deuteranomaly

14.3928, 0.4824, 0.3573

Tritanomaly

15.8309, 0.5806, 0.3218

Monochromacy



Original Color

15.8989, 0.5585, 0.3044

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.7235, 0.4118, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8989, 0.5585, 0.3044 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, 37, 69)` looks like.

```
.text, #text, p{  
    color:rgb(213, 37, 69)  
}
```

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, 37, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 37, 69) }
```

Border

The CSS property to change the border of an element to Yxy 15.8989, 0.5585, 0.3044 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, 37, 69) }
```

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

```
.border{ border-color:rgb(213, 37, 69) }
```

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

Here you see how a box with a 4 pixel rgb(213, 37, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 37, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 37, 69);  
box-shadow:4px 4px 4px 4px rgb(213, 37,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8989, 0.5585, 0.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 37, 69) }
```

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

```
.background{ background-color: rgb(213, 37,  
69) }
```

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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