

Converting Colors

$Y_{xy}(15.6701, 0.5789, 0.3121)$

Have a look what the booklet for
Yxy(15.6701, 0.5789, 0.3121)
contains.

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Color

Yxy(15.6347, 0.5786, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	D6203A
RGB	214, 32, 58
RGB Percent	84%, 13%, 23%
CMY	0.1608, 0.8745, 0.7724
CMYK	0.00, 0.85, 0.73, 0.16
HSL	351°, 74%, 48%
HSV	351°, 85%, 84%
XYZ	29.0129, 15.6347, 5.4957
YIQ	89.3820, 100.1260, 46.6700

Conversions

Conversions Part 2

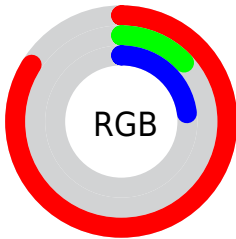
Format	Color
RYB	214, 32, 58
Decimal	14032954
CIELab	46.49, 67.30, 33.83
CIElCh	46, 75.322, 26.690
Yxy	15.6347, 0.5786, 0.3118
Android (android.graphics.Color)	4292223034 (0xFFD6203A)
YUV	89.3820, -15.4713, 109.2900
Hunter-Lab	39.5407, 61.7778, 19.4379

Details

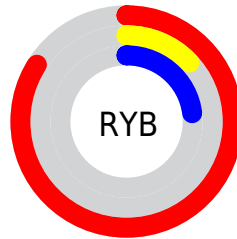
The Yxy color **15.6347, 0.5786, 0.3118** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **52.0311, 0.2382, 0.3675**, and the grayscale version is **10.0993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2036, 0.5011, 0.3240**, and **6.6167, 0.6252, 0.3218** is the 20% darker color. If you saturate the color by 10%, you get **14.6780, 0.6106, 0.3175**, and if you desaturate by 10%, it is **17.4070, 0.5378, 0.3086**.

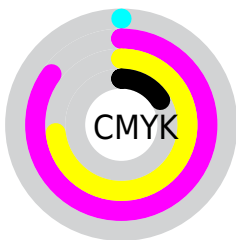
Distribution



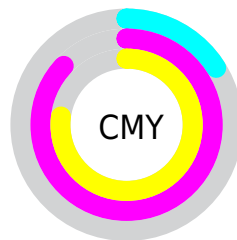
- Red (84%)
- Green (13%)
- Blue (23%)



- Red (84%)
- Yellow (13%)
- Blue (23%)



- Cyan (0%)
- Magenta (85%)
- Yellow (73%)
- Black (16%)



- Cyan (16%)
- Magenta (87%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6347, 0.5786, 0.3118 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 15.6347, 0.5786, 0.3118 by changing the saturation by 10% instead.


 15.6347, 0.5786,
0.3118


 15.6347, 0.5786,
0.3118


227.1764, 0.4253,
0.3340


 9.2660, 0.6209,
0.2991


 35.9629, 0.5189,
0.3246


 4.9151, 0.6753,
0.2779

 50.6911, 0.4976,
0.3279

 2.1975, 0.7552,
0.2448

 68.9747, 0.4800,
0.3300

 0.7187, 0.8242,
0.1758

 91.1980, 0.4654,
0.3315

 0.0000, 1.0000,
0.0000

 117.7455, 0.4530,
0.3325

 0.0000, 0.0000,
0.0000

 149.0014, 0.4424,

0.3332

185.3503, 0.4333,
0.3337

■ 15.6347, 0.5786,
0.3118

■ 15.6347, 0.5786,
0.3118

■ 14.6780, 0.6106,
0.3175

■ 17.4070, 0.5378,
0.3086

■ 14.3932, 0.6225,
0.3203

■ 20.1236, 0.4941,
0.3079

■ 23.8937, 0.4522,
0.3094

■ 28.8107, 0.4150,
0.3123

■ 34.9576, 0.3836,
0.3159

■ 42.4100, 0.3578,
0.3198

■ 51.2370, 0.3368,
0.3236

■ 61.5031, 0.3199,
0.3273

■ 73.2687, 0.3063,
0.3306

Harmonies

Analogous

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



15.6347, 0.4719, 0.2372



15.6347, 0.5786, 0.3118



15.6347, 0.5750, 0.3941

Triad

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



15.6347, 0.5786, 0.3118



15.6347, 0.2542, 0.5944



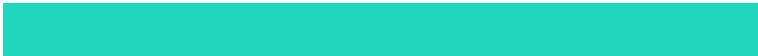
15.6347, 0.1251, 0.1382

Complementary

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



15.6347, 0.5786, 0.3118



52.0311, 0.2382, 0.3675

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.



15.6347, 0.0976, 0.1693



15.6347, 0.5786, 0.3118



15.6347, 0.1536, 0.4314

Square

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



15.6347, 0.5786, 0.3118



15.6347, 0.3753, 0.5907



15.6347, 0.1036, 0.2583



15.6347, 0.1930, 0.1424

Rectangle

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



15.6347, 0.5786, 0.3118



15.6347, 0.5265, 0.4594



15.6347, 0.1036, 0.2583



15.6347, 0.1121, 0.1440

Sweetspot

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



15.6357, 0.5786, 0.3118



61.6118, 0.3606, 0.3193



16.4159, 0.2888, 0.1433



12.3273, 0.3693, 0.3179



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.



15.6357, 0.5786, 0.3118



21.3902, 0.6241, 0.3212



22.7129, 0.5457, 0.3855



12.4494, 0.3269, 0.3257



8.7088, 0.6198, 0.3188



0.5348, 0.5786, 0.2961

Inverse Universe

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



15.6357, 0.5786, 0.3118



21.3902, 0.6241, 0.3212



27.0722, 0.2001, 0.2287



12.4494, 0.3269, 0.3257



8.7088, 0.6198, 0.3188



0.5348, 0.5786, 0.2961

Previews

White Background



This preview shows how the Yxy color 15.6347, 0.5786, 0.3118 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 15.6347, 0.5786, 0.3118 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 15.6347, 0.5786, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 15.6347, 0.5786, 0.3118.



This preview shows how white text looks on a background with the Yxy color 15.6347, 0.5786, 0.3118.

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

15.6347, 0.5786, 0.3118

Protanopia

15.9309, 0.3588, 0.3839

Deuteranopia

15.9166, 0.4367, 0.4305



Tritanopia

15.5966, 0.6021, 0.3304

Trichromacy



Original Color

15.6347, 0.5786, 0.3118

Protanomaly

13.4126, 0.4477, 0.3409

Deuteranomaly

13.9380, 0.5048, 0.3680

Tritanomaly

15.5300, 0.5949, 0.3242

Monochromacy



Original Color

15.6347, 0.5786, 0.3118

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.7526, 0.4225, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6347, 0.5786, 0.3118 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(214, 32, 58)` looks like.

```
.text, #text, p{  
    color:rgb(214, 32, 58)  
}
```

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(214, 32, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 32, 58) }
```

Border

The CSS property to change the border of an element to Yxy 15.6347, 0.5786, 0.3118 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(214, 32, 58) }
```

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

```
.border{ border-color:rgb(214, 32, 58) }
```

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

Here you see how a box with a 4 pixel rgb(214, 32, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 32, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 32, 58);  
box-shadow:4px 4px 4px 4px rgb(214, 32,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6347, 0.5786, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 32, 58) }
```

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

```
.background{ background-color: rgb(214, 32,  
58) }
```

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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