

Converting Colors

$Y_{xy}(16.0288, 0.5801, 0.3159)$

Have a look what the booklet for
Yxy(16.0288, 0.5801, 0.3159)
contains.

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Color

Yxy(15.9943, 0.5799, 0.3158)

Conversions

Conversions Part 1

Format	Color
Hex	D72438
RGB	215, 36, 56
RGB Percent	84%, 14%, 22%
CMY	0.1568, 0.8588, 0.7803
CMYK	0.00, 0.83, 0.74, 0.16
HSL	353°, 71%, 49%
HSV	353°, 83%, 84%
XYZ	29.3702, 15.9943, 5.2825
YIQ	91.8010, 100.2640, 44.1680

Conversions

Conversions Part 2

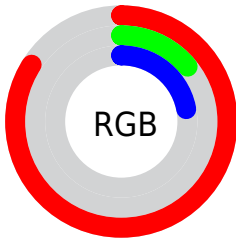
Format	Color
RYB	215, 36, 56
Decimal	14099512
CIELab	46.97, 66.62, 35.62
CIElCh	47, 75.548, 28.131
Yxy	15.9943, 0.5799, 0.3158
Android (android.graphics.Color)	4292289592 (0xFFD72438)
YUV	91.8010, -17.6499, 108.0455
Hunter-Lab	39.9929, 61.1001, 20.1637

Details

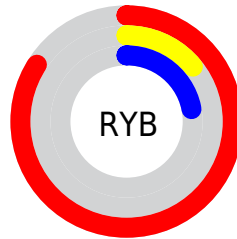
The Yxy color **15.9943, 0.5799, 0.3158** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **52.9176, 0.2360, 0.3580**, and the grayscale version is **10.6794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5466, 0.5022, 0.3277**, and **6.6110, 0.6274, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **14.9085, 0.6127, 0.3203**, and if you desaturate by 10%, it is **17.9336, 0.5379, 0.3133**.

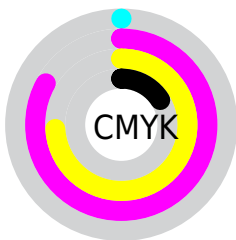
Distribution



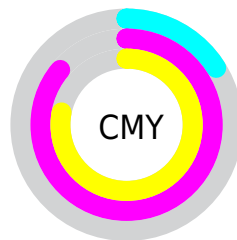
- Red (84%)
- Green (14%)
- Blue (22%)



- Red (84%)
- Yellow (14%)
- Blue (22%)



- Cyan (0%)
- Magenta (83%)
- Yellow (74%)
- Black (16%)



- Cyan (16%)
- Magenta (86%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9943, 0.5799, 0.3158 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 15.9943, 0.5799, 0.3158 by changing the saturation by 10% instead.


 15.9943, 0.5799,
0.3158


 15.9943, 0.5799,
0.3158


229.3081, 0.4267,
0.3363


 9.5201, 0.6216,
0.3034


 36.5883, 0.5206,
0.3281


 5.0820, 0.6752,
0.2826

 51.4769, 0.4992,
0.3311


 2.2954, 0.7508,
0.2492

 69.9391, 0.4817,
0.3331

 0.7713, 0.8175,
0.1825

 92.3594, 0.4670,
0.3344

 0.0000, 1.0000,
0.0000

 119.1220, 0.4545,
0.3352

 0.0000, 0.0000,
0.0000

 150.6114, 0.4439,

0.3358

187.2119, 0.4347,
0.3361

■ 15.9943, 0.5799,
0.3158

■ 15.9943, 0.5799,
0.3158

■ 14.9085, 0.6127,
0.3203

■ 17.9336, 0.5379,
0.3133


■ 14.5137, 0.6280,
0.3233


■ 20.8522, 0.4930,
0.3129


■ 24.8584, 0.4503,
0.3142

■ 30.0451, 0.4127,
0.3165

■ 36.4955, 0.3811,
0.3193

 44.2851, 0.3552,
0.3224

 53.4837, 0.3343,
0.3253

 64.1559, 0.3174,
0.3281

 76.3627, 0.3039,
0.3307

Harmonies

Analogous

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



15.9943, 0.4783, 0.2410



15.9943, 0.5799, 0.3158



15.9943, 0.5717, 0.3986

Triad

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



15.9943, 0.5799, 0.3158



15.9943, 0.2491, 0.5886



15.9943, 0.1279, 0.1383

Complementary

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



15.9943, 0.5799, 0.3158



52.9176, 0.2360, 0.3580

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.



15.9943, 0.0987, 0.1674



15.9943, 0.5799, 0.3158



15.9943, 0.1506, 0.4213

Square

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



15.9943, 0.5799, 0.3158



15.9943, 0.3696, 0.5931



15.9943, 0.1031, 0.2526



15.9943, 0.1979, 0.1439

Rectangle

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



15.9943, 0.5799, 0.3158



15.9943, 0.5215, 0.4642



15.9943, 0.1031, 0.2526



15.9943, 0.1143, 0.1435

Sweetspot

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



15.9953, 0.5799, 0.3158



62.7254, 0.3599, 0.3217



17.6537, 0.2964, 0.1488



12.5366, 0.3688, 0.3207



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.



15.9953, 0.5799, 0.3158



21.3463, 0.6294, 0.3241



24.6011, 0.5327, 0.3929



12.4432, 0.3274, 0.3264



8.6884, 0.6257, 0.3221



0.5318, 0.5907, 0.3028

Inverse Universe

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



15.9953, 0.5799, 0.3158



21.3463, 0.6294, 0.3241



25.9590, 0.1988, 0.2212



12.4432, 0.3274, 0.3264



8.6884, 0.6257, 0.3221



0.5318, 0.5907, 0.3028

Previews

White Background



This preview shows how the Yxy color 15.9943, 0.5799, 0.3158 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 15.9943, 0.5799, 0.3158 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 15.9943, 0.5799, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 15.9943, 0.5799, 0.3158.



This preview shows how white text looks on a background with the Yxy color 15.9943, 0.5799, 0.3158.

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

15.9943, 0.5799, 0.3158

Protanopia

16.2325, 0.3664, 0.3932

Deuteranopia

16.2803, 0.4403, 0.4332



Tritanopia

16.0446, 0.5986, 0.3298

Trichromacy



Original Color

15.9943, 0.5799, 0.3158

Protanomaly

13.7641, 0.4539, 0.3505

Deuteranomaly

14.3221, 0.5061, 0.3730

Tritanomaly

16.0228, 0.5927, 0.3253

Monochromacy



Original Color

15.9943, 0.5799, 0.3158

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.5176, 0.4224, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9943, 0.5799, 0.3158 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(215, 36, 56)` looks like.

```
.text, #text, p{  
    color:rgb(215, 36, 56)  
}
```

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(215, 36, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 36, 56) }
```

Border

The CSS property to change the border of an element to Yxy 15.9943, 0.5799, 0.3158 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(215, 36, 56) }
```

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

```
.border{ border-color:rgb(215, 36, 56) }
```

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

Here you see how a box with a 4 pixel rgb(215, 36, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 36, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 36, 56);  
box-shadow:4px 4px 4px 4px rgb(215, 36,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9943, 0.5799, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 36, 56) }
```

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

```
.background{ background-color: rgb(215, 36,  
56) }
```

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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