

Converting Colors

$Y_{xy}(17.8785, 0.5582, 0.3197)$

Have a look what the booklet for
Yxy(17.8785, 0.5582, 0.3197)
contains.

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Color

Yxy(17.8333, 0.5583, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	DA3541
RGB	218, 53, 65
RGB Percent	85%, 21%, 25%
CMY	0.1451, 0.7922, 0.7450
CMYK	0.00, 0.76, 0.70, 0.15
HSL	356°, 69%, 53%
HSV	356°, 76%, 85%
XYZ	31.1427, 17.8333, 6.8053
YIQ	103.7030, 94.4880, 38.7120

Conversions

Conversions Part 2

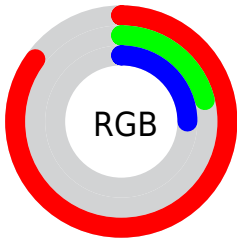
Format	Color
RYB	218, 53, 65
Decimal	14300481
CIELab	49.29, 63.26, 33.20
CIELCh	49, 71.449, 27.692
Yxy	17.8333, 0.5583, 0.3197
Android (android.graphics.Color)	4292490561 (0xFFDA3541)
YUV	103.7030, -19.0806, 100.2385
Hunter-Lab	42.2295, 57.7357, 20.0060

Details

The Yxy color **17.8333, 0.5583, 0.3197** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **55.3581, 0.2353, 0.3457**, and the grayscale version is **13.7935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2625, 0.4821, 0.3295**, and **7.0265, 0.6187, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **16.0847, 0.5981, 0.3220**, and if you desaturate by 10%, it is **20.5709, 0.5126, 0.3189**.

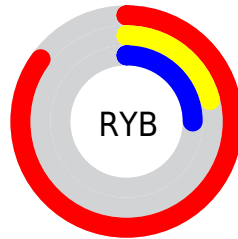
Distribution



Red (85%)

Green (21%)

Blue (25%)



Red (85%)

Yellow (21%)

Blue (25%)

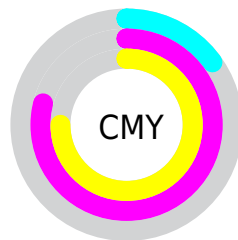


Cyan (0%)

Magenta (76%)

Yellow (70%)

Black (15%)



Cyan (15%)


Magenta (79%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8333, 0.5583, 0.3197 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 17.8333, 0.5583, 0.3197 by changing the saturation by 10% instead.


 17.8333, 0.5583,
0.3197


 17.8333, 0.5583,
0.3197


239.9298, 0.4185,
0.3358


 10.8304, 0.5968,
0.3098


 39.7531, 0.5041,
0.3294


 5.9529, 0.6464,
0.2930

 55.4387, 0.4847,
0.3318


 2.8165, 0.7293,
0.2703

 74.7873, 0.4687,
0.3333

 1.0367, 0.7895,
0.2105

 98.1834, 0.4553,
0.3343

 0.0000, 1.0000,
0.0000

 126.0113, 0.4439,
0.3350

 0.0000, 0.0000,
0.0000

 158.6554, 0.4342,

0.3354

196.5001, 0.4258,
0.3356

■ 17.8333, 0.5583,
0.3197

■ 17.8333, 0.5583,
0.3197

■ 16.0847, 0.5981,
0.3220

■ 20.5709, 0.5126,
0.3189

■ 15.1788, 0.6256,
0.3253


■ 24.4111, 0.4673,
0.3193


■ 14.9435, 0.6335,
0.3263

■ 29.4553, 0.4265,
0.3206

■ 35.7926, 0.3917,
0.3223

■ 43.5038, 0.3632,
0.3242

 52.6629, 0.3401,
0.3262

 63.3389, 0.3216,
0.3280

 75.5960, 0.3067,
0.3297

 89.4950, 0.2948,
0.3313

Harmonies

Analogous

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



17.8333, 0.4627, 0.2471



17.8333, 0.5583, 0.3197



17.8333, 0.5567, 0.3999

Triad

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



17.8333, 0.5583, 0.3197



17.8333, 0.2595, 0.5635



17.8333, 0.1381, 0.1499

Complementary

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



17.8333, 0.5583, 0.3197



55.3581, 0.2353, 0.3457

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.



17.8333, 0.1103, 0.1798



17.8333, 0.5583, 0.3197



17.8333, 0.1645, 0.4162

Square

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



17.8333, 0.5583, 0.3197



17.8333, 0.3740, 0.5735



17.8333, 0.1163, 0.2627



17.8333, 0.2050, 0.1544

Rectangle

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



17.8333, 0.5583, 0.3197



17.8333, 0.5123, 0.4602



17.8333, 0.1163, 0.2627



17.8333, 0.1250, 0.1554

Sweetspot

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



17.8344, 0.5583, 0.3197



65.0973, 0.3569, 0.3247



20.4818, 0.3048, 0.1605



12.9856, 0.3662, 0.3240



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.



17.8344, 0.5583, 0.3197



22.0231, 0.6167, 0.3239



29.0216, 0.5029, 0.4000



13.0668, 0.3280, 0.3273



8.9580, 0.6317, 0.3254



0.5859, 0.6082, 0.3124

Inverse Universe

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



17.8344, 0.5583, 0.3197



22.0231, 0.6167, 0.3239



27.3941, 0.2032, 0.2234



13.0668, 0.3280, 0.3273



8.9580, 0.6317, 0.3254



0.5859, 0.6082, 0.3124

Previews

White Background



This preview shows how the Yxy color 17.8333, 0.5583, 0.3197 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 17.8333, 0.5583, 0.3197 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.8333, 0.5583, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 17.8333, 0.5583, 0.3197.



This preview shows how white text looks on a background with the Yxy color 17.8333, 0.5583, 0.3197.

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

17.8333, 0.5583, 0.3197

Protanopia

18.0971, 0.3601, 0.3869

Deuteranopia

17.8936, 0.4298, 0.4229



Tritanopia

17.9233, 0.5689, 0.3290

Trichromacy



Original Color

17.8333, 0.5583, 0.3197

Protanomaly

15.9555, 0.4356, 0.3520

Deuteranomaly

16.5686, 0.4862, 0.3739

Tritanomaly

17.8595, 0.5658, 0.3257

Monochromacy



Original Color

17.8333, 0.5583, 0.3197

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.2549, 0.4054, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8333, 0.5583, 0.3197 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(218, 53, 65)` looks like.

```
.text, #text, p{  
    color:rgb(218, 53, 65)  
}
```

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(218, 53, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 53, 65) }
```

Border

The CSS property to change the border of an element to Yxy 17.8333, 0.5583, 0.3197 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(218, 53, 65) }
```

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

```
.border{ border-color:rgb(218, 53, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 53, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 53, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 53, 65);  
box-shadow:4px 4px 4px 4px rgb(218, 53,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8333, 0.5583, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 53, 65) }
```

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

```
.background{ background-color: rgb(218, 53,  
65) }
```

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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