

Converting Colors

$Yxy(17.6836, 0.5215, 0.3123)$

Have a look what the booklet for
Yxy(17.6836, 0.5215, 0.3123)
contains.

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Color

Yxy(17.6895, 0.5210, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	D13F50
RGB	209, 63, 80
RGB Percent	82%, 25%, 31%
CMY	0.1804, 0.7529, 0.6862
CMYK	0.00, 0.70, 0.62, 0.18
HSL	353°, 61%, 53%
HSV	353°, 70%, 82%
XYZ	29.5203, 17.6895, 9.4510
YIQ	108.5920, 81.5590, 36.2390

Conversions

Conversions Part 2

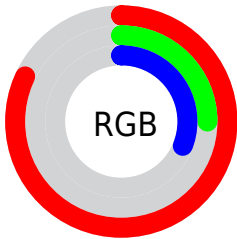
Format	Color
R_{YB}	209, 63, 80
Decimal	13713232
CIE Lab	49.12, 57.93, 23.72
CIE LCh	49, 62.597, 22.266
Yxy	17.6895, 0.5210, 0.3122
Android (android.graphics.Color)	4291903312 (0xFFD13F50)
YUV	108.5920, -14.0959, 88.0578
Hunter-Lab	42.0589, 51.6825, 16.1182

Details

The Yxy color **17.6895, 0.5210, 0.3122** 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 **50.4627, 0.2409, 0.3538**, and the grayscale version is **15.1963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2779, 0.4585, 0.3204**, and **6.4233, 0.5910, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **15.5617, 0.5646, 0.3140**, and if you desaturate by 10%, it is **20.7725, 0.4767, 0.3125**.

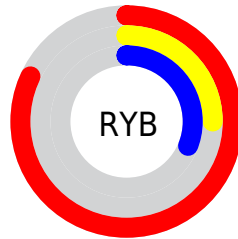
Distribution



Red (82%)

Green (25%)

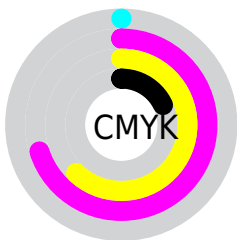
Blue (31%)



Red (82%)

Yellow (25%)

Blue (31%)

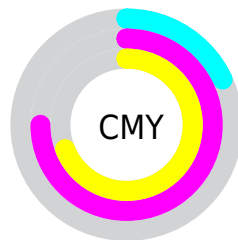


Cyan (0%)

Magenta (70%)

Yellow (62%)

Black (18%)



Cyan (18%)


Magenta (75%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6895, 0.5210, 0.3122 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 17.6895, 0.5210, 0.3122 by changing the saturation by 10% instead.


 17.6895, 0.5210,
0.3122


 17.6895, 0.5210,
0.3122


239.1150, 0.4007,
0.3286


 10.7273, 0.5561,
0.3040


 39.5075, 0.4734,
0.3208


 5.8838, 0.6034,
0.2904

 55.1321, 0.4566,
0.3232


 2.7745, 0.6708,
0.2670

 74.4130, 0.4430,
0.3248

 1.0152, 0.7747,
0.2253

 97.7345, 0.4316,
0.3260

 0.0000, 1.0000,
0.0000

 125.4811, 0.4220,
0.3270

 0.0000, 0.0000,
0.0000

158.0371, 0.4139,

0.3276

195.7870, 0.4068,
0.3282

■ 17.6895, 0.5210,
0.3122

■ 17.6895, 0.5210,
0.3122

■ 15.5617, 0.5646,
0.3140

■ 20.7725, 0.4767,
0.3125

■ 14.2742, 0.6014,
0.3179

■ 24.9024, 0.4358,
0.3143


■ 13.6304, 0.6267,
0.3227


■ 30.1632, 0.4005,
0.3169


■ 13.6225, 0.6270,
0.3228


■ 36.6299, 0.3712,
0.3200

■ 44.3708, 0.3473,
0.3231

 53.4492, 0.3280,
0.3262

 63.9241, 0.3125,
0.3290

 75.8512, 0.3000,
0.3317

 89.2829, 0.2899,
0.3341

Harmonies

Analogous

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



17.6895, 0.4237, 0.2449



17.6895, 0.5210, 0.3122



17.6895, 0.5396, 0.3868

Triad

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



17.6895, 0.5210, 0.3122



17.6895, 0.2882, 0.5428



17.6895, 0.1460, 0.1683

Complementary

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



17.6895, 0.5210, 0.3122



50.4627, 0.2409, 0.3538

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.



17.6895, 0.1257, 0.2054



17.6895, 0.5210, 0.3122



17.6895, 0.1944, 0.4327

Square

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



17.6895, 0.5210, 0.3122



17.6895, 0.3936, 0.5397



17.6895, 0.1393, 0.2933



17.6895, 0.2019, 0.1665

Rectangle

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



17.6895, 0.5210, 0.3122



17.6895, 0.5100, 0.4405



17.6895, 0.1393, 0.2933



17.6895, 0.1356, 0.1761

Sweetspot

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



17.6905, 0.5210, 0.3122



67.7822, 0.3503, 0.3227



19.3615, 0.3003, 0.1661



13.7553, 0.3567, 0.3218



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.



17.6905, 0.5210, 0.3122



23.2225, 0.5846, 0.3157



27.1010, 0.4894, 0.3925



11.8303, 0.3272, 0.3263



8.4069, 0.6247, 0.3215



0.4777, 0.5866, 0.3005

Inverse Universe

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



17.6905, 0.5210, 0.3122



23.2225, 0.5846, 0.3157



28.4546, 0.2117, 0.2413



11.8303, 0.3272, 0.3263



8.4069, 0.6247, 0.3215



0.4777, 0.5866, 0.3005

Previews

White Background



This preview shows how the Yxy color 17.6895, 0.5210, 0.3122 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 17.6895, 0.5210, 0.3122 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 17.6895, 0.5210, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 17.6895, 0.5210, 0.3122.

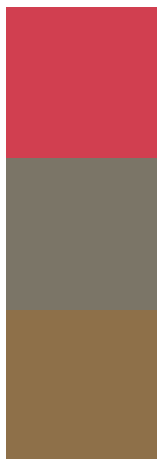


This preview shows how white text looks on a background with the Yxy color 17.6895, 0.5210, 0.3122.

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

17.6895, 0.5210, 0.3122

Protanopia

17.9128, 0.3376, 0.3562

Deuteranopia

17.8202, 0.4056, 0.3981



Tritanopia

17.6078, 0.5371, 0.3267

Trichromacy



Original Color

17.6895, 0.5210, 0.3122

Protanomaly

16.2456, 0.4027, 0.3326

Deuteranomaly

16.6342, 0.4513, 0.3569

Tritanomaly

17.5446, 0.5319, 0.3216

Monochromacy



Original Color

17.6895, 0.5210, 0.3122

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.5559, 0.3875, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6895, 0.5210, 0.3122 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(209, 63, 80)` looks like.

```
.text, #text, p{  
    color:rgb(209, 63, 80)  
}
```

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(209, 63, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 63, 80) }
```

Border

The CSS property to change the border of an element to Yxy 17.6895, 0.5210, 0.3122 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(209, 63, 80) }
```

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

```
.border{ border-color:rgb(209, 63, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 63, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 63, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 63, 80);  
box-shadow:4px 4px 4px 4px rgb(209, 63,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6895, 0.5210, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 63, 80) }
```

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

```
.background{ background-color: rgb(209, 63,  
80) }
```

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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