

Converting Colors

$Y_{xy}(20.2333, 0.5083, 0.3294)$

Have a look what the booklet for
Yxy(20.2333, 0.5083, 0.3294)
contains.

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Color

Yxy(20.1803, 0.5082, 0.3285)

Conversions

Conversions Part 1

Format	Color
Hex	D35051
RGB	211, 80, 81
RGB Percent	83%, 31%, 32%
CMY	0.1725, 0.6863, 0.6824
CMYK	0.00, 0.62, 0.62, 0.17
HSL	360°, 60%, 57%
HSV	360°, 62%, 83%
XYZ	31.2196, 20.1803, 10.0318
YIQ	119.2830, 77.7550, 28.0830

Conversions

Conversions Part 2

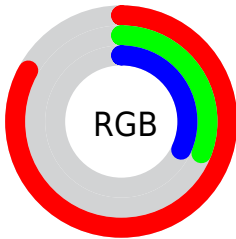
Format	Color
RYB	211, 80, 81
Decimal	13848657
CIELab	52.04, 51.71, 26.98
CIElCh	52, 58.322, 27.555
Yxy	20.1803, 0.5082, 0.3285
Android (android.graphics.Color)	4292038737 (0xFFD35051)
YUV	119.2830, -18.8735, 80.4358
Hunter-Lab	44.9225, 45.4369, 18.2055

Details

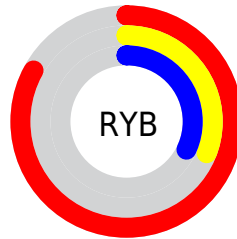
The Yxy color **20.1803, 0.5082, 0.3285** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **52.9529, 0.2384, 0.3302**, and the grayscale version is **18.5847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1997, 0.4488, 0.3345**, and **7.0771, 0.5822, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **17.2945, 0.5558, 0.3287**, and if you desaturate by 10%, it is **24.1351, 0.4617, 0.3284**.

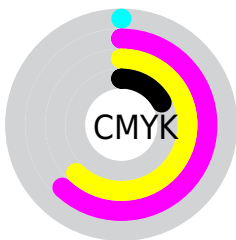
Distribution



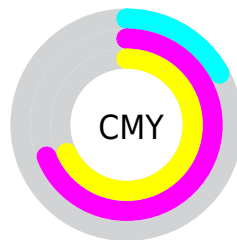
- Red (83%)
- Green (31%)
- Blue (32%)



- Red (83%)
- Yellow (31%)
- Blue (32%)



- Cyan (0%)
- Magenta (62%)
- Yellow (62%)
- Black (17%)





- Cyan (17%)
- Magenta (69%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1803, 0.5082, 0.3285 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 20.1803, 0.5082, 0.3285 by changing the saturation by 10% instead.


 20.1803, 0.5082,
0.3285


 20.1803, 0.5082,
0.3285


252.8895, 0.3972,
0.3356


 12.5262, 0.5397,
0.3232

 43.7193, 0.4648,
0.3334

 7.1031, 0.5817,
0.3136


 60.3729, 0.4494,
0.3344


 3.5267, 0.6397,
0.2957


 80.7951, 0.4368,
0.3351

 1.4125, 0.7345,
0.2655

 105.3704, 0.4262,
0.3354

 0.2259, 0.8796,
0.1204

 134.4831, 0.4173,
0.3356

 0.0000, 1.0000,
0.0000

168.5176, 0.4096,

 0.0000, 0.0000,

0.3356

0.0000

207.8582, 0.4030,
0.3356

■ 20.1803, 0.5082,
0.3285

■ 20.1803, 0.5082,
0.3285

■ 17.2945, 0.5558,
0.3287

■ 24.1351, 0.4617,
0.3284

■ 15.3708, 0.5977,
0.3290

■ 29.2457, 0.4203,
0.3285

■ 14.2860, 0.6266,
0.3294

■ 35.5940, 0.3854,
0.3286

■ 13.8538, 0.6394,
0.3296

■ 43.2535, 0.3570,
0.3287

■ 52.2918, 0.3342,
0.3288

■ 62.7722, 0.3160,
0.3290

■ 74.7537, 0.3015,
0.3291

■ 88.2922, 0.2898,
0.3292

■ 92.5903, 0.2866,
0.3289

Harmonies

Analogous

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



20.1803, 0.4312, 0.2634



20.1803, 0.5082, 0.3285



20.1803, 0.5151, 0.3998

Triad

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



20.1803, 0.5082, 0.3285



20.1803, 0.2771, 0.5058



20.1803, 0.1661, 0.1793

Complementary

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



20.1803, 0.5082, 0.3285



52.9529, 0.2384, 0.3302

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.



20.1803, 0.1414, 0.2087



20.1803, 0.5082, 0.3285



20.1803, 0.1948, 0.3984

Square

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



20.1803, 0.5082, 0.3285



20.1803, 0.3741, 0.5258



20.1803, 0.1493, 0.2811



20.1803, 0.2253, 0.1820

Rectangle

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



20.1803, 0.5082, 0.3285



20.1803, 0.4842, 0.4492



20.1803, 0.1493, 0.2811



20.1803, 0.1543, 0.1851

Sweetspot

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



20.1814, 0.5082, 0.3285



70.1688, 0.3499, 0.3287



23.9708, 0.3170, 0.1859



14.2080, 0.3571, 0.3287



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.



20.1814, 0.5082, 0.3285



25.2826, 0.5725, 0.3288



34.1709, 0.4517, 0.4043



11.8097, 0.3289, 0.3289



8.3606, 0.6392, 0.3295



0.4680, 0.6362, 0.3278

Inverse Universe

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



20.1814, 0.5082, 0.3285



25.2826, 0.5725, 0.3288



27.4911, 0.2158, 0.2316



11.8097, 0.3289, 0.3289



8.3606, 0.6392, 0.3295



0.4680, 0.6362, 0.3278

Previews

White Background



This preview shows how the Yxy color 20.1803, 0.5082, 0.3285 looks on a white 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

Black Background



This preview shows how the Yxy color 20.1803, 0.5082, 0.3285 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 20.1803, 0.5082, 0.3285

Background



This preview shows how black text looks on a background with the Yxy color 20.1803, 0.5082, 0.3285.



This preview shows how white text looks on a background with the Yxy color 20.1803, 0.5082, 0.3285.

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

20.1803, 0.5082, 0.3285

Protanopia

20.2409, 0.3508, 0.3733

Deuteranopia

20.2674, 0.4105, 0.4040



Tritanopia

20.0809, 0.5045, 0.3241

Trichromacy



Original Color

20.1803, 0.5082, 0.3285

Protanomaly

19.0925, 0.4080, 0.3535

Deuteranomaly

19.5232, 0.4484, 0.3705

Tritanomaly

20.0654, 0.5060, 0.3252

Monochromacy



Original Color

20.1803, 0.5082, 0.3285

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.7985, 0.3801, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1803, 0.5082, 0.3285 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(211, 80, 81)` looks like.

```
.text, #text, p{  
    color:rgb(211, 80, 81)  
}
```

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(211, 80, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 80, 81) }
```

Border

The CSS property to change the border of an element to Yxy 20.1803, 0.5082, 0.3285 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(211, 80, 81) }
```

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

```
.border{ border-color:rgb(211, 80, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 80, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 80, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 80, 81);  
box-shadow:4px 4px 4px 4px rgb(211, 80,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1803, 0.5082, 0.3285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 80, 81) }
```

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

```
.background{ background-color: rgb(211, 80,  
81) }
```

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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