

Converting Colors

$Y_{xy}(20.8426, 0.4833, 0.3295)$

Have a look what the booklet for
Yxy(20.8426, 0.4833, 0.3295)
contains.

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Color

Yxy(20.8452, 0.4830, 0.3295)

Conversions

Conversions Part 1

Format	Color
Hex	CD5959
RGB	205, 89, 89
RGB Percent	80%, 35%, 35%
CMY	0.1960, 0.6510, 0.6510
CMYK	0.00, 0.57, 0.57, 0.20
HSL	0°, 54%, 58%
HSV	0°, 57%, 80%
XYZ	30.5561, 20.8452, 11.8618
YIQ	123.6840, 69.1360, 24.5920

Conversions

Conversions Part 2

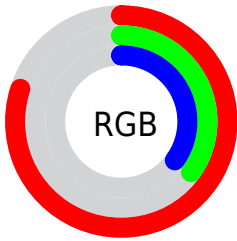
Format	Color
R_{YB}	205, 89, 89
Decimal	13457753
CIE _{Lab}	52.78, 46.06, 23.07
CIE _{LCh}	53, 51.512, 26.601
Yxy	20.8452, 0.4830, 0.3295
Android (android.graphics.Color)	4291647833 (0xFFCD5959)
YUV	123.6840, -17.0992, 71.3141
Hunter-Lab	45.6565, 39.5639, 16.5557

Details

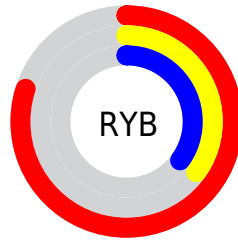
The Yxy color **20.8452, 0.4830, 0.3295** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **50.2032, 0.2422, 0.3288**, and the grayscale version is **20.0855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7690, 0.4345, 0.3335**, and **7.4037, 0.5470, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **17.5990, 0.5308, 0.3296**, and if you desaturate by 10%, it is **25.1394, 0.4388, 0.3294**.

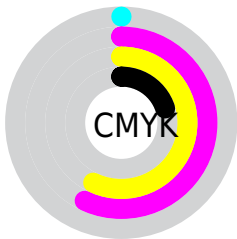
Distribution



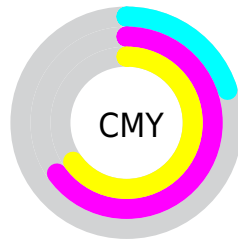
- Red (80%)
- Green (35%)
- Blue (35%)



- Red (80%)
- Yellow (35%)
- Blue (35%)



- Cyan (0%)
- Magenta (57%)
- Yellow (57%)
- Black (20%)




- Cyan (20%)
- Magenta (65%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8452, 0.4830, 0.3295 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 20.8452, 0.4830, 0.3295 by changing the saturation by 10% instead.


 20.8452, 0.4830,
0.3295


 20.8452, 0.4830,
0.3295


256.4547, 0.3863,
0.3343


 13.0109, 0.5109,
0.3257


 44.8298, 0.4450,
0.3329

 7.4360, 0.5487,
0.3187


 61.7488, 0.4316,
0.3337

 3.7363, 0.6017,
0.3050

 82.4649, 0.4206,
0.3341

 1.5272, 0.7102,
0.2898

 107.3624, 0.4114,
0.3343

 0.3077, 0.8350,
0.1650

 136.8257, 0.4037,
0.3344

 0.0000, 1.0000,
0.0000

171.2393, 0.3970,

 0.0000, 0.0000,

0.3344

0.0000

210.9875, 0.3913,
0.3343

■ 20.8452, 0.4830,
0.3295

■ 20.8452, 0.4830,
0.3295

■ 17.5990, 0.5308,
0.3296

■ 25.1394, 0.4388,
0.3294

■ 15.3081, 0.5767,
0.3298

■ 30.5573, 0.4008,
0.3293

■ 13.8696, 0.6134,
0.3299

■ 37.1714, 0.3694,
0.3292

■ 13.1488, 0.6348,
0.3300

■ 45.0472, 0.3441,
0.3291

■ 12.9820, 0.6401,
0.3300

■ 54.2455, 0.3238,
0.3290

■ 64.8231, 0.3076,
0.3290

■ 76.8336, 0.2946,
0.3289

■ 90.3276, 0.2842,
0.3289

■ 91.7219, 0.2833,
0.3289

Harmonies

Analogous

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



20.8452, 0.4139, 0.2695



20.8452, 0.4830, 0.3295



20.8452, 0.4937, 0.3949

Triad

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



20.8452, 0.4830, 0.3295



20.8452, 0.2864, 0.4823



20.8452, 0.1796, 0.1949

Complementary

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



20.8452, 0.4830, 0.3295



50.2032, 0.2422, 0.3288

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.



20.8452, 0.1577, 0.2243



20.8452, 0.4830, 0.3295



20.8452, 0.2110, 0.3931

Square

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



20.8452, 0.4830, 0.3295



20.8452, 0.3737, 0.5014



20.8452, 0.1670, 0.2917



20.8452, 0.2331, 0.1959

Rectangle

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



20.8452, 0.4830, 0.3295



20.8452, 0.4694, 0.4387



20.8452, 0.1670, 0.2917



20.8452, 0.1689, 0.2010

Sweetspot

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



20.8463, 0.4830, 0.3295



72.9083, 0.3455, 0.3291



24.5337, 0.3189, 0.1967



15.0126, 0.3502, 0.3291



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.



20.8463, 0.4830, 0.3295



27.8379, 0.5416, 0.3297



34.5719, 0.4344, 0.4013



11.2137, 0.3290, 0.3291



8.0800, 0.6401, 0.3300



0.4168, 0.6401, 0.3300

Inverse Universe

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



50.2032, 0.2422, 0.3288



80.5144, 0.2338, 0.3288



27.4009, 0.2230, 0.2389



12.7270, 0.2984, 0.3290



29.9248, 0.2247, 0.3287



1.5438, 0.2247, 0.3287

Previews

White Background



This preview shows how the Yxy color 20.8452, 0.4830, 0.3295 looks on a white background.

Color Contrast Check

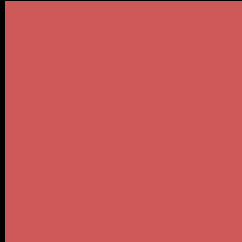
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8452, 0.4830, 0.3295 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 20.8452, 0.4830, 0.3295

Background



This preview shows how black text looks on a background with the Yxy color 20.8452, 0.4830, 0.3295.



This preview shows how white text looks on a background with the Yxy color 20.8452, 0.4830, 0.3295.

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

20.8452, 0.4830, 0.3295

Protanopia

21.0306, 0.3456, 0.3653

Deuteranopia

20.9902, 0.3983, 0.3910



Tritanopia

20.7667, 0.4763, 0.3223

Trichromacy



Original Color

20.8452, 0.4830, 0.3295

Protanomaly

20.2039, 0.3937, 0.3504

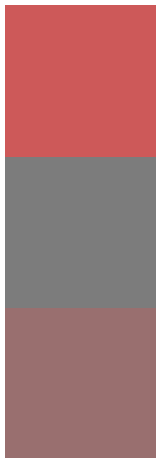
Deuteranomaly

20.2671, 0.4301, 0.3641

Tritanomaly

20.7313, 0.4793, 0.3247

Monochromacy



Original Color

20.8452, 0.4830, 0.3295

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.2889, 0.3702, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8452, 0.4830, 0.3295 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(205, 89, 89)` looks like.

```
.text, #text, p{  
    color:rgb(205, 89, 89)  
}
```

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(205, 89, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 89, 89) }
```

Border

The CSS property to change the border of an element to Yxy 20.8452, 0.4830, 0.3295 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(205, 89, 89) }
```

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

```
.border{ border-color:rgb(205, 89, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 89, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 89, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 89, 89);  
box-shadow:4px 4px 4px 4px rgb(205, 89,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8452, 0.4830, 0.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 89, 89) }
```

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

```
.background{ background-color: rgb(205, 89,  
89) }
```

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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