

Converting Colors

$Y_{xy}(20.2079, 0.4850, 0.3319)$

Have a look what the booklet for
Yxy(20.2079, 0.4850, 0.3319)
contains.

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Color

Yxy(20.2079, 0.4850, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	CA5856
RGB	202, 88, 86
RGB Percent	79%, 35%, 34%
CMY	0.2078, 0.6549, 0.6627
CMYK	0.00, 0.56, 0.57, 0.21
HSL	1°, 52%, 56%
HSV	1°, 57%, 79%
XYZ	29.5295, 20.2079, 11.1481
YIQ	121.8580, 68.5860, 23.5460

Conversions

Conversions Part 2

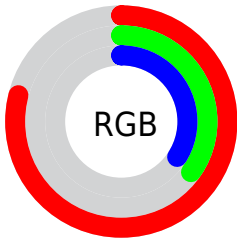
Format	Color
RYB	202, 88, 86
Decimal	13260886
CIELab	52.07, 45.23, 23.80
CIElCh	52, 51.111, 27.753
Yxy	20.2079, 0.4850, 0.3319
Android (android.graphics.Color)	4291450966 (0xFFCA5856)
YUV	121.8580, -17.6780, 70.2845
Hunter-Lab	44.9532, 38.5874, 16.7637

Details

The Yxy color **20.2079, 0.4850, 0.3319** 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 **47.5611, 0.2409, 0.3259**, and the grayscale version is **19.4553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0873, 0.4389, 0.3346**, and **7.1438, 0.5523, 0.3207** is the 20% darker color. If you saturate the color by 10%, you get **17.1008, 0.5324, 0.3321**, and if you desaturate by 10%, it is **24.2966, 0.4410, 0.3315**.

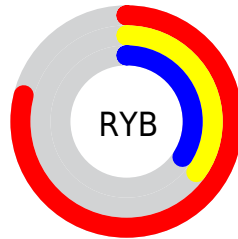
Distribution



Red (79%)

Green (35%)

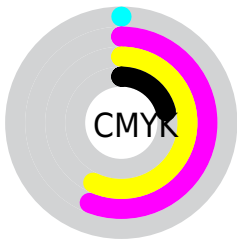
Blue (34%)



Red (79%)

Yellow (35%)

Blue (34%)

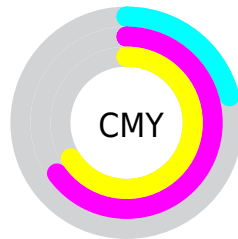


Cyan (0%)

Magenta (56%)

Yellow (57%)

Black (21%)



Cyan (21%)

Magenta (65%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2079, 0.4850, 0.3319 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 20.2079, 0.4850, 0.3319 by changing the saturation by 10% instead.


 20.2079, 0.4850,
0.3319


 20.2079, 0.4850,
0.3319


253.0384, 0.3867,
0.3355


 12.5463, 0.5135,
0.3282

 43.7655, 0.4463,
0.3350


 7.1169, 0.5521,
0.3212


 60.4302, 0.4327,
0.3356


 3.5353, 0.6061,
0.3072

 80.8647, 0.4215,
0.3358

 1.4172, 0.7114,
0.2886

 105.4535, 0.4122,
0.3359

 0.2293, 0.8609,
0.1391

 134.5808, 0.4043,
0.3359

 0.0000, 1.0000,
0.0000

168.6311, 0.3976,

 0.0000, 0.0000,

0.3358

0.0000

207.9889, 0.3918,
0.3357

■ 20.2079, 0.4850,
0.3319

■ 20.2079, 0.4850,
0.3319

■ 17.1008, 0.5324,
0.3321

■ 24.2966, 0.4410,
0.3315

■ 14.8900, 0.5777,
0.3319

■ 29.4363, 0.4029,
0.3310

■ 13.4816, 0.6138,
0.3314

■ 35.6938, 0.3714,
0.3304

■ 12.7561, 0.6349,
0.3308

■ 43.1297, 0.3458,
0.3299

■ 12.6339, 0.6390,
0.3309

■ 51.8000, 0.3253,
0.3294

■ 61.7573, 0.3088,
0.3289

■ 73.0510, 0.2956,
0.3285

■ 85.7280, 0.2849,
0.3281

■ 91.2985, 0.2816,
0.3289

Harmonies

Analogous

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



20.2079, 0.4176, 0.2715



20.2079, 0.4850, 0.3319



20.2079, 0.4933, 0.3976

Triad

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



20.2079, 0.4850, 0.3319



20.2079, 0.2830, 0.4804



20.2079, 0.1808, 0.1942

Complementary

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



20.2079, 0.4850, 0.3319



47.5611, 0.2409, 0.3259

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.



20.2079, 0.1577, 0.2223



20.2079, 0.4850, 0.3319



20.2079, 0.2084, 0.3892

Square

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



20.2079, 0.4850, 0.3319



20.2079, 0.3705, 0.5025



20.2079, 0.1658, 0.2882



20.2079, 0.2357, 0.1962

Rectangle

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



20.2079, 0.4850, 0.3319



20.2079, 0.4677, 0.4413



20.2079, 0.1658, 0.2882



20.2079, 0.1697, 0.1999

Sweetspot

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



20.2090, 0.4850, 0.3319



73.2806, 0.3453, 0.3299



23.3881, 0.3211, 0.1970



15.0990, 0.3501, 0.3300



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.



20.2090, 0.4850, 0.3319



27.8711, 0.5442, 0.3321



33.7699, 0.4349, 0.4045



11.2440, 0.3290, 0.3295



8.1419, 0.6386, 0.3311



0.4311, 0.6338, 0.3350

Inverse Universe

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



47.5611, 0.2409, 0.3259



78.4896, 0.2323, 0.3252



25.6113, 0.2212, 0.2342



12.6926, 0.2984, 0.3286



28.9031, 0.2232, 0.3236



1.5019, 0.2235, 0.3246

Previews

White Background



This preview shows how the Yxy color 20.2079, 0.4850, 0.3319 looks on a white background.

Color Contrast Check

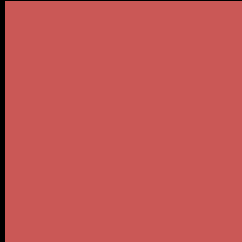
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2079, 0.4850, 0.3319 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 20.2079, 0.4850, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 20.2079, 0.4850, 0.3319.



This preview shows how white text looks on a background with the Yxy color 20.2079, 0.4850, 0.3319.

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

20.2079, 0.4850, 0.3319

Protanopia

20.2801, 0.3484, 0.3695

Deuteranopia

20.2718, 0.4008, 0.3933



Tritanopia

20.1633, 0.4752, 0.3222

Trichromacy



Original Color

20.2079, 0.4850, 0.3319

Protanomaly

19.3815, 0.3964, 0.3540

Deuteranomaly

19.7847, 0.4325, 0.3674

Tritanomaly

20.1111, 0.4798, 0.3259

Monochromacy



Original Color

20.2079, 0.4850, 0.3319

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.8353, 0.3706, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2079, 0.4850, 0.3319 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(202, 88, 86)` looks like.

```
.text, #text, p{  
    color:rgb(202, 88, 86)  
}
```

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(202, 88, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 88, 86) }
```

Border

The CSS property to change the border of an element to Yxy 20.2079, 0.4850, 0.3319 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(202, 88, 86) }
```

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

```
.border{ border-color:rgb(202, 88, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 88, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 88, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 88, 86);  
box-shadow:4px 4px 4px 4px rgb(202, 88,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2079, 0.4850, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 88, 86) }
```

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

```
.background{ background-color: rgb(202, 88,  
86) }
```

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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