

Converting Colors

$Y_{xy}(20.0310, 0.4935, 0.3254)$

Have a look what the booklet for
Yxy(20.0310, 0.4935, 0.3254)
contains.

Yxy(20.1238, 0.4943, 0.3261)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1238, 0.4943, 0.3261)

Conversions

Conversions Part 1

Format	Color
Hex	CF5356
RGB	207, 83, 86
RGB Percent	81%, 33%, 34%
CMY	0.1883, 0.6744, 0.6627
CMYK	0.00, 0.60, 0.58, 0.19
HSL	359°, 56%, 57%
HSV	359°, 60%, 81%
XYZ	30.5035, 20.1238, 11.0832
YIQ	120.4180, 72.9410, 27.2210

Conversions

Conversions Part 2

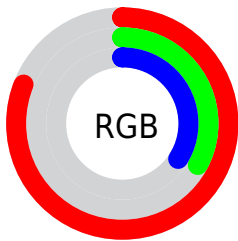
Format	Color
R _Y B	207, 83, 86
Decimal	13587286
CIE Lab	51.98, 49.32, 23.82
CIE LCh	52, 54.773, 25.777
Yxy	20.1238, 0.4943, 0.3261
Android (android.graphics.Color)	4291777366 (0xFFCF5356)
YUV	120.4180, -16.9681, 75.9324
Hunter-Lab	44.8596, 42.8718, 16.7532

Details

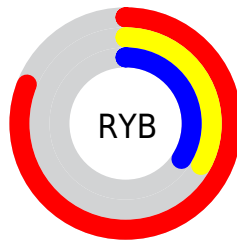
The Yxy color **20.1238, 0.4943, 0.3261** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **50.8198, 0.2410, 0.3330**, and the grayscale version is **18.9633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9289, 0.4410, 0.3304**, and **7.1019, 0.5640, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **17.1349, 0.5417, 0.3263**, and if you desaturate by 10%, it is **24.1522, 0.4494, 0.3263**.

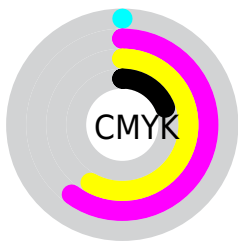
Distribution



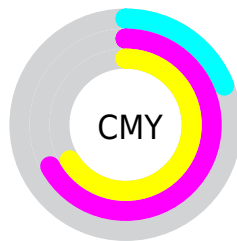
- Red (81%)
- Green (33%)
- Blue (34%)



- Red (81%)
- Yellow (33%)
- Blue (34%)



- Cyan (0%)
- Magenta (60%)
- Yellow (58%)
- Black (19%)




- Cyan (19%)
- Magenta (67%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1238, 0.4943, 0.3261 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 20.1238, 0.4943, 0.3261 by changing the saturation by 10% instead.


 20.1238, 0.4943,
0.3261


 20.1238, 0.4943,
0.3261


252.5845, 0.3908,
0.3334

 12.4851, 0.5242,
0.3212


 43.6246, 0.4536,
0.3307


 7.0749, 0.5645,
0.3126


 60.2555, 0.4392,
0.3318


 3.5090, 0.6206,
0.2963

 80.6526, 0.4275,
0.3325

 1.4029, 0.7267,
0.2733

 105.2003, 0.4177,
0.3329

 0.2189, 0.8763,
0.1237

 134.2829, 0.4094,
0.3331

 0.0000, 1.0000,
0.0000


168.2849, 0.4023,


 0.0000, 0.0000,

0.3333


0.0000


207.5906, 0.3962,
0.3333

 20.1238, 0.4943,
0.3261


 20.1238, 0.4943,
0.3261

 17.1349, 0.5417,
0.3263


 24.1522, 0.4494,
0.3263

 15.0871, 0.5857,
0.3269


 29.3000, 0.4102,
0.3267


 13.8693, 0.6190,
0.3280

 35.6434, 0.3775,
0.3273

 13.2802, 0.6377,
0.3287

 43.2507, 0.3509,
0.3279

 13.2749, 0.6379,
0.3287

 52.1853, 0.3296,
0.3285

■ 62.5061, 0.3126,
0.3290

■ 74.2687, 0.2989,
0.3295

■ 87.5254, 0.2879,
0.3300

■ 92.0040, 0.2844,
0.3289

Harmonies

Analogous

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



20.1238, 0.4185, 0.2637



20.1238, 0.4943, 0.3261



20.1238, 0.5062, 0.3946

Triad

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



20.1238, 0.4943, 0.3261



20.1238, 0.2857, 0.4974



20.1238, 0.1707, 0.1872

Complementary

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



20.1238, 0.4943, 0.3261



50.8198, 0.2410, 0.3330

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.



20.1238, 0.1486, 0.2182



20.1238, 0.4943, 0.3261



20.1238, 0.2054, 0.4013

Square

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



20.1238, 0.4943, 0.3261



20.1238, 0.3782, 0.5132



20.1238, 0.1588, 0.2904



20.1238, 0.2257, 0.1878

Rectangle

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



20.1238, 0.4943, 0.3261



20.1238, 0.4800, 0.4414



20.1238, 0.1588, 0.2904



20.1238, 0.1598, 0.1936

Sweetspot

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



20.1249, 0.4943, 0.3261



71.5736, 0.3470, 0.3280



23.3699, 0.3146, 0.1888



14.4823, 0.3540, 0.3278



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.



20.1249, 0.4943, 0.3261



26.3371, 0.5555, 0.3264



32.9002, 0.4471, 0.3998



11.8128, 0.3287, 0.3285



8.3667, 0.6372, 0.3284



0.4695, 0.6279, 0.3233

Inverse Universe

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



20.1249, 0.4943, 0.3261



26.3371, 0.5555, 0.3264



27.8819, 0.2197, 0.2393



11.8128, 0.3287, 0.3285



8.3667, 0.6372, 0.3284



0.4695, 0.6279, 0.3233

Previews

White Background



This preview shows how the Yxy color 20.1238, 0.4943, 0.3261 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 20.1238, 0.4943, 0.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

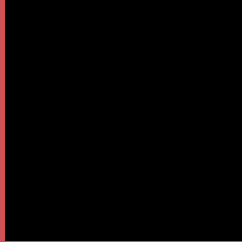
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1238, 0.4943, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 20.1238, 0.4943, 0.3261.



This preview shows how white text looks on a background with the Yxy color 20.1238, 0.4943, 0.3261.

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

20.1238, 0.4943, 0.3261

Protanopia

20.2401, 0.3448, 0.3660

Deuteranopia

20.2569, 0.4021, 0.3949



Tritanopia

20.1565, 0.4913, 0.3238

Trichromacy



Original Color

20.1238, 0.4943, 0.3261

Protanomaly

19.1713, 0.3990, 0.3489

Deuteranomaly

19.5752, 0.4381, 0.3654

Tritanomaly

20.1400, 0.4928, 0.3249

Monochromacy



Original Color

20.1238, 0.4943, 0.3261

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.2735, 0.3748, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1238, 0.4943, 0.3261 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(207, 83, 86)` looks like.

```
.text, #text, p{  
    color:rgb(207, 83, 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(207, 83, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 83, 86) }
```

Border

The CSS property to change the border of an element to Yxy 20.1238, 0.4943, 0.3261 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(207, 83, 86) }
```

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

```
.border{ border-color:rgb(207, 83, 86) }
```

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

Here you see how a box with a 4 pixel rgb(207, 83, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 83, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 83, 86);  
box-shadow:4px 4px 4px 4px rgb(207, 83,  
86) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.1238, 0.4943, 0.3261$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 83, 86) }
```

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

```
.background{ background-color: rgb(207, 83,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor