

Converting Colors

$Y_{xy}(20.1050, 0.5131, 0.3753)$

Have a look what the booklet for
Yxy(20.1050, 0.5131, 0.3753)
contains.

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Color

Yxy(20.1865, 0.5131, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	C45F36
RGB	196, 95, 54
RGB Percent	77%, 37%, 21%
CMY	0.2313, 0.6275, 0.7883
CMYK	0.00, 0.52, 0.72, 0.23
HSL	17°, 57%, 49%
HSV	17°, 72%, 77%
XYZ	27.5251, 20.1865, 5.9331
YIQ	120.5250, 73.3570, 8.6610

Conversions

Conversions Part 2

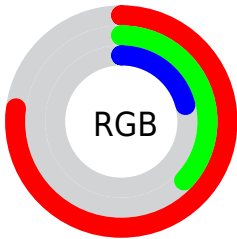
Format	Color
R _Y B	196, 112, 54
Decimal	12869430
CIE Lab	52.05, 37.49, 41.50
CIE LCh	52, 55.928, 47.904
Yxy	20.1865, 0.5131, 0.3763
Android (android.graphics.Color)	4291059510 (0xFFC45F36)
YUV	120.5250, -32.7968, 66.1916
Hunter-Lab	44.9294, 30.7280, 23.6211

Details

The Yxy color **20.1865, 0.5131, 0.3763** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **28.2108, 0.2151, 0.2615**, and the grayscale version is **19.0490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1067, 0.4685, 0.3731**, and **7.1242, 0.5791, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **17.7485, 0.5492, 0.3748**, and if you desaturate by 10%, it is **23.1503, 0.4756, 0.3739**.

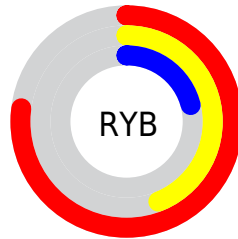
Distribution



Red (77%)

Green (37%)

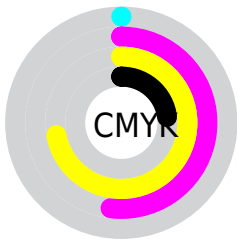
Blue (21%)



Red (77%)

Yellow (44%)

Blue (21%)

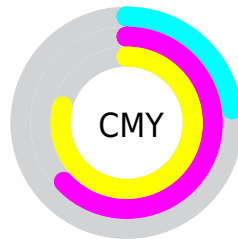


Cyan (0%)

Magenta (52%)

Yellow (72%)

Black (23%)



Cyan (23%)


Magenta (63%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1865, 0.5131, 0.3763 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 20.1865, 0.5131, 0.3763 by changing the saturation by 10% instead.


 20.1865, 0.5131,
0.3763

 20.1865, 0.5131,
0.3763


252.9230, 0.4016,
0.3598


 12.5307, 0.5425,
0.3755


 43.7296, 0.4707,
0.3733

 7.1062, 0.5797,
0.3702


 60.3858, 0.4552,
0.3712


 3.5286, 0.6380,
0.3620

 80.8108, 0.4424,
0.3690

 1.4135, 0.6813,
0.3187

 105.3891, 0.4316,
0.3669

 0.2267, 0.8371,
0.1629

 134.5050, 0.4224,
0.3649

 0.0000, 1.0000,
0.0000

 168.5431, 0.4145,

 0.0000, 0.0000,

0.3630

0.0000

207.8876, 0.4076,
0.3613

■ 20.1865, 0.5131,
0.3763

■ 20.1865, 0.5131,
0.3763

■ 17.7485, 0.5492,
0.3748

■ 23.1503, 0.4756,
0.3739

■ 15.7995, 0.5803,
0.3687

■ 26.6669, 0.4398,
0.3686

■ 14.6249, 0.5995,
0.3621

■ 30.7649, 0.4073,
0.3615

■ 35.4700, 0.3789,
0.3537

■ 40.8064, 0.3545,
0.3458

■ 46.7968, 0.3339,
0.3380

■ 53.4627, 0.3165,
0.3307

■ 60.8247, 0.3020,
0.3239

■ 68.9024, 0.2897,
0.3177

Harmonies

Analogous

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



20.1865, 0.4831, 0.3082



20.1865, 0.5131, 0.3763



20.1865, 0.4784, 0.4475

Triad

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



20.1865, 0.5131, 0.3763



20.1865, 0.2220, 0.4337



20.1865, 0.2061, 0.1828

Complementary

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



20.1865, 0.5131, 0.3763



28.2108, 0.2151, 0.2615

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.



20.1865, 0.1595, 0.1897



20.1865, 0.5131, 0.3763



20.1865, 0.1648, 0.3162

Square

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



20.1865, 0.5131, 0.3763



20.1865, 0.3093, 0.5143



20.1865, 0.1456, 0.2309



20.1865, 0.2876, 0.2034

Rectangle

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



20.1865, 0.5131, 0.3763



20.1865, 0.4307, 0.4907



20.1865, 0.1456, 0.2309



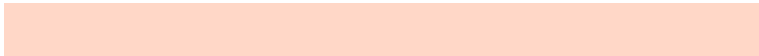
20.1865, 0.1867, 0.1818

Sweetspot

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



20.1876, 0.5131, 0.3763



74.0313, 0.3542, 0.3457



16.7664, 0.3766, 0.2100



15.2502, 0.3605, 0.3479



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.



20.1876, 0.5131, 0.3763



29.9604, 0.5685, 0.3718



39.0000, 0.4345, 0.4588



10.5412, 0.3282, 0.3357



9.5257, 0.5971, 0.3641



0.5336, 0.5518, 0.4001

Inverse Universe

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



28.2108, 0.2151, 0.2615



44.7777, 0.2034, 0.2442



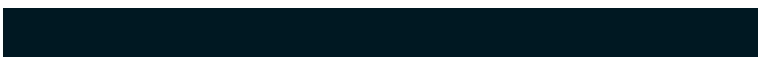
11.2281, 0.1849, 0.1411



10.9211, 0.2984, 0.3222



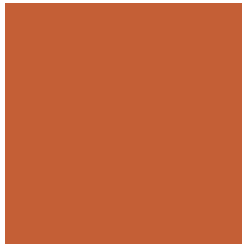
14.6533, 0.1981, 0.2332



0.7466, 0.2048, 0.2571

Previews

White Background



This preview shows how the Yxy color 20.1865, 0.5131, 0.3763 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 20.1865, 0.5131, 0.3763 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 20.1865, 0.5131, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 20.1865, 0.5131, 0.3763.



This preview shows how white text looks on a background with the Yxy color 20.1865, 0.5131, 0.3763.

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

20.1865, 0.5131, 0.3763

Protanopia

20.4294, 0.3998, 0.4365

Deuteranopia

20.3756, 0.4425, 0.4366



Tritanopia

20.1626, 0.4638, 0.3219

Trichromacy



Original Color

20.1865, 0.5131, 0.3763

Protanomaly

19.7318, 0.4418, 0.4125

Deuteranomaly

19.9282, 0.4704, 0.4124

Tritanomaly

20.1187, 0.4833, 0.3431

Monochromacy



Original Color

20.1865, 0.5131, 0.3763

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.7473, 0.3821, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1865, 0.5131, 0.3763 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(196, 95, 54)` looks like.

```
.text, #text, p{
  color:rgb(196, 95, 54)
}
```

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(196, 95, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 95, 54) }
```

Border

The CSS property to change the border of an element to Yxy 20.1865, 0.5131, 0.3763 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(196, 95, 54) }
```

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

```
.border{ border-color:rgb(196, 95, 54) }
```

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

Here you see how a box with a 4 pixel rgb(196, 95, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 95, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 95, 54);  
box-shadow:4px 4px 4px 4px rgb(196, 95,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1865, 0.5131, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 95, 54) }
```

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

```
.background{ background-color: rgb(196, 95,  
54) }
```

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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