

Converting Colors

$Y_{xy}(20.4960, 0.5136, 0.3840)$

Have a look what the booklet for
Yxy(20.4960, 0.5136, 0.3840)
contains.

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Color

Yxy(20.5592, 0.5135, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	C36231
RGB	195, 98, 49
RGB Percent	76%, 38%, 19%
CMY	0.2353, 0.6157, 0.8079
CMYK	0.00, 0.50, 0.75, 0.24
HSL	20°, 60%, 48%
HSV	20°, 75%, 76%
XYZ	27.4283, 20.5592, 5.4269
YIQ	121.4170, 73.5410, 5.3250

Conversions

Conversions Part 2

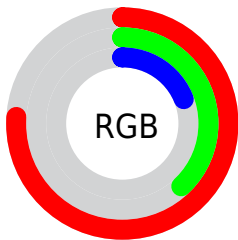
Format	Color
R_{YB}	195, 123, 49
Decimal	12804657
CIE _{Lab}	52.46, 35.31, 44.44
CIE _{LCh}	52, 56.759, 51.529
Yxy	20.5592, 0.5135, 0.3849
Android (android.graphics.Color)	4290994737 (0xFFC36231)
YUV	121.4170, -35.7016, 64.5323
Hunter-Lab	45.3423, 28.6287, 24.6433

Details

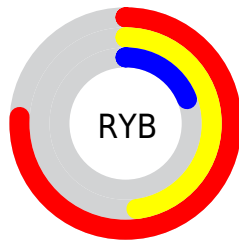
The Yxy color **20.5592, 0.5135, 0.3849** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **25.1468, 0.2100, 0.2468**, and the grayscale version is **19.3630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9545, 0.4707, 0.3806**, and **7.2648, 0.5775, 0.3797** is the 20% darker color. If you saturate the color by 10%, you get **18.1985, 0.5468, 0.3829**, and if you desaturate by 10%, it is **23.3857, 0.4782, 0.3824**.

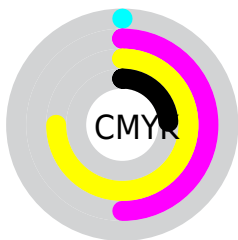
Distribution



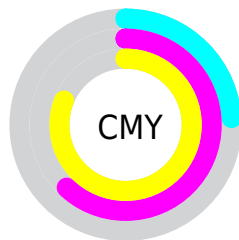
- Red (76%)
- Green (38%)
- Blue (19%)



- Red (76%)
- Yellow (48%)
- Blue (19%)



- Cyan (0%)
- Magenta (50%)
- Yellow (75%)
- Black (24%)





- Cyan (24%)
- Magenta (62%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5592, 0.5135, 0.3849 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 20.5592, 0.5135, 0.3849 by changing the saturation by 10% instead.


 20.5592, 0.5135,
0.3849


 20.5592, 0.5135,
0.3849


254.9265, 0.4028,
0.3643


 12.8022, 0.5420,
0.3848


 44.3528, 0.4719,
0.3806

 7.2925, 0.5776,
0.3804


 61.1581, 0.4565,
0.3779


 3.6457, 0.6291,
0.3709

 81.7483, 0.4437,
0.3752

 1.4774, 0.6700,
0.3300

 106.5078, 0.4329,
0.3727

 0.2727, 0.8087,
0.1913

 135.8210, 0.4237,
0.3703

 0.0000, 1.0000,
0.0000

 170.0722, 0.4158,

 0.0000, 0.0000,

0.3681

0.0000

209.6459, 0.4089,
0.3661

■ 20.5592, 0.5135,
0.3849

■ 20.5592, 0.5135,
0.3849

■ 18.1985, 0.5468,
0.3829

■ 23.3857, 0.4782,
0.3824

■ 16.2715, 0.5751,
0.3760

■ 26.7003, 0.4438,
0.3766

■ 15.4363, 0.5878,
0.3715

■ 30.5279, 0.4121,
0.3688

■ 34.8902, 0.3838,
0.3599

■ 39.8078, 0.3593,
0.3506

■ 45.3001, 0.3383,
0.3416

■ 51.3854, 0.3204,
0.3330

■ 58.0813, 0.3053,
0.3250

■ 65.4046, 0.2924,
0.3176

Harmonies

Analogous

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



20.5592, 0.4920, 0.3159



20.5592, 0.5135, 0.3849



20.5592, 0.4718, 0.4565

Triad

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



20.5592, 0.5135, 0.3849



20.5592, 0.2122, 0.4205



20.5592, 0.2133, 0.1829

Complementary

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



20.5592, 0.5135, 0.3849



25.1468, 0.2100, 0.2468

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.



20.5592, 0.1624, 0.1862



20.5592, 0.5135, 0.3849



20.5592, 0.1595, 0.3031

Square

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



20.5592, 0.5135, 0.3849



20.5592, 0.2976, 0.5109



20.5592, 0.1445, 0.2228



20.5592, 0.2994, 0.2068

Rectangle

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



20.5592, 0.5135, 0.3849



20.5592, 0.4212, 0.4985



20.5592, 0.1445, 0.2228



20.5592, 0.1924, 0.1808

Sweetspot

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



20.5603, 0.5135, 0.3849



73.6907, 0.3537, 0.3483



15.8838, 0.3917, 0.2159



15.5658, 0.3598, 0.3509



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.



20.5603, 0.5135, 0.3849



30.2586, 0.5660, 0.3790



40.8246, 0.4308, 0.4682



10.6181, 0.3281, 0.3368



10.1725, 0.5853, 0.3735



0.5681, 0.5414, 0.4084

Inverse Universe

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



25.1468, 0.2100, 0.2468



38.3877, 0.1976, 0.2257



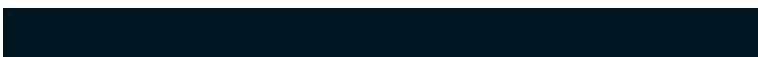
9.4007, 0.1787, 0.1243



10.8404, 0.2984, 0.3211



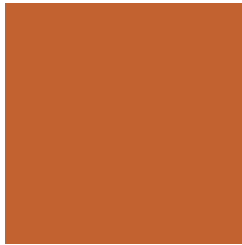
13.0182, 0.1935, 0.2166



0.6853, 0.2013, 0.2446

Previews

White Background



This preview shows how the Yxy color 20.5592, 0.5135, 0.3849 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 20.5592, 0.5135, 0.3849 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 20.5592, 0.5135, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 20.5592, 0.5135, 0.3849.



This preview shows how white text looks on a background with the Yxy color 20.5592, 0.5135, 0.3849.

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

20.5592, 0.5135, 0.3849

Protanopia

20.7926, 0.4073, 0.4453

Deuteranopia

20.5362, 0.4491, 0.4405



Tritanopia

20.4255, 0.4566, 0.3204

Trichromacy



Original Color

20.5592, 0.5135, 0.3849

Protanomaly

20.2307, 0.4469, 0.4223

Deuteranomaly

20.2163, 0.4748, 0.4182

Tritanomaly

20.3353, 0.4804, 0.3458

Monochromacy



Original Color

20.5592, 0.5135, 0.3849

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.9324, 0.3842, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5592, 0.5135, 0.3849 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(195, 98, 49)` looks like.

```
.text, #text, p{  
    color:rgb(195, 98, 49)  
}
```

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(195, 98, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 98, 49) }
```

Border

The CSS property to change the border of an element to Yxy 20.5592, 0.5135, 0.3849 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(195, 98, 49) }
```

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

```
.border{ border-color:rgb(195, 98, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 98, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 98, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 98, 49);  
box-shadow:4px 4px 4px 4px rgb(195, 98,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5592, 0.5135, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 98, 49) }
```

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

```
.background{ background-color: rgb(195, 98,  
49) }
```

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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