

Converting Colors

$Y_{xy}(22.3284, 0.5046, 0.4089)$

Have a look what the booklet for
Yxy(22.3284, 0.5046, 0.4089)
contains.

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Color

Yxy(22.2837, 0.5054, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	C06D26
RGB	192, 109, 38
RGB Percent	75%, 43%, 15%
CMY	0.2471, 0.5725, 0.8509
CMYK	0.00, 0.43, 0.80, 0.25
HSL	28°, 67%, 45%
HSV	28°, 80%, 75%
XYZ	27.5561, 22.2837, 4.6836
YIQ	125.7230, 72.2590, -4.4850

Conversions

Conversions Part 2

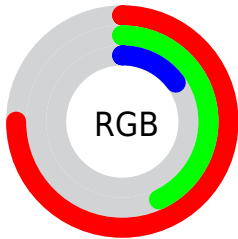
Format	Color
RYB	192, 170, 38
Decimal	12610854
CIELab	54.33, 27.79, 51.18
CIElCh	54, 58.237, 61.495
Yxy	22.2837, 0.5054, 0.4087
Android (android.graphics.Color)	4290800934 (0xFFC06D26)
YUV	125.7230, -43.2474, 58.1249
Hunter-Lab	47.2056, 21.5889, 27.1614

Details

The Yxy color **22.2837, 0.5054, 0.4087** 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 **17.8930, 0.1961, 0.2046**, and the grayscale version is **20.8976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0937, 0.4674, 0.3998**, and **8.2183, 0.5507, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **20.1117, 0.5310, 0.4063**, and if you desaturate by 10%, it is **24.7818, 0.4770, 0.4059**.

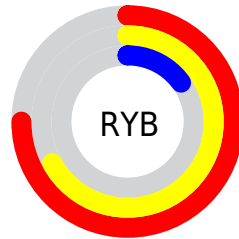
Distribution



Red (75%)

Green (43%)

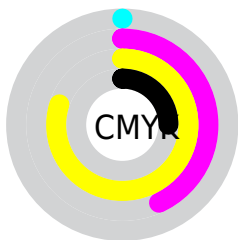
Blue (15%)



Red (75%)

Yellow (67%)

Blue (15%)

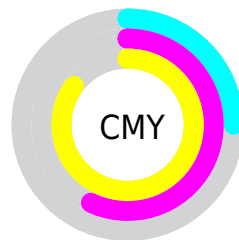


Cyan (0%)

Magenta (43%)

Yellow (80%)

Black (25%)



Cyan (25%)


Magenta (57%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2837, 0.5054, 0.4087 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 22.2837, 0.5054, 0.4087 by changing the saturation by 10% instead.


 22.2837, 0.5054,
0.4087


 22.2837, 0.5054,
0.4087


264.0243, 0.4023,
0.3761


 14.0655, 0.5301,
0.4112


 47.2144, 0.4679,
0.4003

 8.1662, 0.5608,
0.4110


 64.6958, 0.4536,
0.3959


 4.2015, 0.5973,
0.4027

 86.0336, 0.4416,
0.3918

 1.7869, 0.6289,
0.3711

 111.6124, 0.4313,
0.3880

 0.4790, 0.7093,
0.2907

 141.8164, 0.4225,
0.3846

 0.0000, 1.0000,
0.0000

 177.0302, 0.4149,

 0.0000, 0.0000,

0.3815

0.0000

217.6380, 0.4082,
0.3787

■ 22.2837, 0.5054,
0.4087

■ 22.2837, 0.5054,
0.4087

■ 20.1117, 0.5310,
0.4063

■ 24.7818, 0.4770,
0.4059

■ 18.2710, 0.5525,
0.3995

■ 27.6198, 0.4478,
0.3990

■ 30.8142, 0.4194,
0.3891

■ 34.3793, 0.3929,
0.3775

■ 38.3283, 0.3690,
0.3651

■ 42.6737, 0.3478,
0.3527

■ 47.4274, 0.3292,
0.3406

■ 52.6006, 0.3130,
0.3292

■ 58.2041, 0.2990,
0.3186

Harmonies

Analogous

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



22.2837, 0.5069, 0.3383



22.2837, 0.5054, 0.4087



22.2837, 0.4481, 0.4786

Triad

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



22.2837, 0.5054, 0.4087



22.2837, 0.1905, 0.3800



22.2837, 0.2382, 0.1881

Complementary

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



22.2837, 0.5054, 0.4087



17.8930, 0.1961, 0.2046

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.



22.2837, 0.1756, 0.1820



22.2837, 0.5054, 0.4087



22.2837, 0.1507, 0.2712

Square

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



22.2837, 0.5054, 0.4087



22.2837, 0.2670, 0.4891



22.2837, 0.1471, 0.2065



22.2837, 0.3343, 0.2203

Rectangle

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



22.2837, 0.5054, 0.4087



22.2837, 0.3920, 0.5134



22.2837, 0.1471, 0.2065



22.2837, 0.2133, 0.1830

Sweetspot

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



22.2849, 0.5054, 0.4087



73.9432, 0.3563, 0.3578



14.0156, 0.4333, 0.2337



15.2618, 0.3641, 0.3623



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.2849, 0.5054, 0.4087



33.9064, 0.5469, 0.4011



45.7501, 0.4196, 0.4886



10.8260, 0.3278, 0.3396



12.4475, 0.5505, 0.4011



0.6755, 0.5138, 0.4302

Inverse Universe

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



17.8930, 0.1961, 0.2046



25.5100, 0.1824, 0.1747



6.1496, 0.1661, 0.0906



10.6270, 0.2984, 0.3181



9.3097, 0.1813, 0.1726



0.5389, 0.1919, 0.2107

Previews

White Background



This preview shows how the Yxy color 22.2837, 0.5054, 0.4087 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 22.2837, 0.5054, 0.4087 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 22.2837, 0.5054, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 22.2837, 0.5054, 0.4087.



This preview shows how white text looks on a background with the Yxy color 22.2837, 0.5054, 0.4087.

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

22.2837, 0.5054, 0.4087

Protanopia

22.5254, 0.4202, 0.4634

Deuteranopia

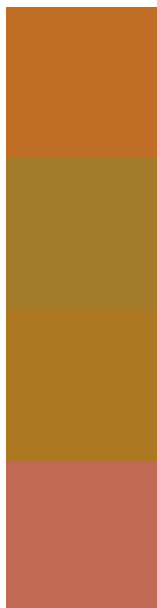
22.4121, 0.4585, 0.4511



Tritanopia

22.2090, 0.4325, 0.3200

Trichromacy



Original Color

22.2837, 0.5054, 0.4087

Protanomaly

22.1196, 0.4522, 0.4425

Deuteranomaly

22.3078, 0.4755, 0.4358

Tritanomaly

22.1970, 0.4655, 0.3580

Monochromacy



Original Color

22.2837, 0.5054, 0.4087

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.7251, 0.3840, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2837, 0.5054, 0.4087 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(192, 109, 38)` looks like.

```
.text, #text, p{  
    color:rgb(192, 109, 38)  
}
```

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(192, 109, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 109, 38) }
```

Border

The CSS property to change the border of an element to Yxy 22.2837, 0.5054, 0.4087 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(192, 109, 38) }
```

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

```
.border{ border-color:rgb(192, 109, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 109, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 109, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 109, 38);  
box-shadow:4px 4px 4px 4px rgb(192, 109,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2837, 0.5054, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 109, 38) }
```

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

```
.background{ background-color: rgb(192,  
109, 38) }
```

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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