

Converting Colors

$Y_{xy}(22.3468, 0.5153, 0.3859)$

Have a look what the booklet for
Yxy(22.3468, 0.5153, 0.3859)
contains.

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Color

Yxy(22.4295, 0.5151, 0.3857)

Conversions

Conversions Part 1

Format	Color
Hex	CB6632
RGB	203, 102, 50
RGB Percent	80%, 40%, 20%
CMY	0.2039, 0.6000, 0.8039
CMYK	0.00, 0.50, 0.75, 0.20
HSL	20°, 60%, 50%
HSV	20°, 75%, 80%
XYZ	29.9545, 22.4295, 5.7687
YIQ	126.2710, 76.8880, 5.2400

Conversions

Conversions Part 2

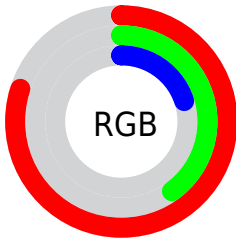
Format	Color
R _Y B	203, 129, 50
Decimal	13329970
CIE Lab	54.48, 36.47, 46.40
CIE LCh	54, 59.016, 51.835
Yxy	22.4295, 0.5151, 0.3857
Android (android.graphics.Color)	4291520050 (0xFFCB6632)
YUV	126.2710, -37.6016, 67.2913
Hunter-Lab	47.3598, 30.0193, 25.9299

Details

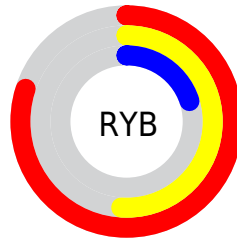
The Yxy color **22.4295, 0.5151, 0.3857** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.1194, 0.2090, 0.2448**, and the grayscale version is **21.0735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6035, 0.4659, 0.3848**, and **8.2956, 0.5762, 0.3807** is the 20% darker color. If you saturate the color by 10%, you get **19.8681, 0.5481, 0.3835**, and if you desaturate by 10%, it is **25.4967, 0.4800, 0.3834**.

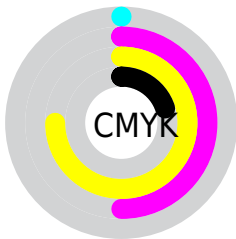
Distribution



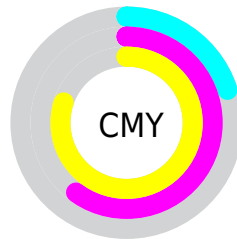
- Red (80%)
- Green (40%)
- Blue (20%)



- Red (80%)
- Yellow (51%)
- Blue (20%)



- Cyan (0%)
- Magenta (50%)
- Yellow (75%)
- Black (20%)





- Cyan (20%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4295, 0.5151, 0.3857 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 22.4295, 0.5151, 0.3857 by changing the saturation by 10% instead.


 22.4295, 0.5151,
0.3857


 22.4295, 0.5151,
0.3857


264.7811, 0.4052,
0.3654


 14.1728, 0.5427,
0.3855


 47.4548, 0.4743,
0.3816


 8.2410, 0.5767,
0.3811


 64.9923, 0.4591,
0.3790


 4.2495, 0.6268,
0.3732

 86.3922, 0.4463,
0.3763

 1.8141, 0.6647,
0.3353

 112.0388, 0.4355,
0.3738

 0.4959, 0.7485,
0.2515

 142.3166, 0.4263,
0.3715

 0.0000, 1.0000,
0.0000

 177.6100, 0.4183,

 0.0000, 0.0000,

0.3693

0.0000

218.3034, 0.4113,
0.3673

■ 22.4295, 0.5151,
0.3857

■ 22.4295, 0.5151,
0.3857

■ 19.8681, 0.5481,
0.3835

■ 25.4967, 0.4800,
0.3834

■ 17.7772, 0.5758,
0.3762

■ 29.0942, 0.4456,
0.3777

■ 16.9521, 0.5871,
0.3720

■ 33.2490, 0.4137,
0.3698

■ 37.9849, 0.3852,
0.3608

■ 43.3244, 0.3605,
0.3514

■ 49.2885, 0.3393,
0.3422

■ 55.8973, 0.3212,
0.3335

■ 63.1699, 0.3059,
0.3253

■ 71.1245, 0.2930,
0.3178

Harmonies

Analogous

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



22.4295, 0.4943, 0.3163



22.4295, 0.5151, 0.3857



22.4295, 0.4723, 0.4579

Triad

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



22.4295, 0.5151, 0.3857



22.4295, 0.2105, 0.4203



22.4295, 0.2132, 0.1819

Complementary

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



22.4295, 0.5151, 0.3857



27.1194, 0.2090, 0.2448

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.



22.4295, 0.1616, 0.1849



22.4295, 0.5151, 0.3857



22.4295, 0.1579, 0.3016

Square

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



22.4295, 0.5151, 0.3857



22.4295, 0.2962, 0.5125



22.4295, 0.1433, 0.2212



22.4295, 0.3003, 0.2062

Rectangle

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



22.4295, 0.5151, 0.3857



22.4295, 0.4210, 0.5004



22.4295, 0.1433, 0.2212



22.4295, 0.1920, 0.1797

Sweetspot

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



22.4307, 0.5151, 0.3857



74.5202, 0.3559, 0.3495



17.2442, 0.3927, 0.2154



15.2073, 0.3642, 0.3529



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.



22.4307, 0.5151, 0.3857



31.1352, 0.5651, 0.3798



44.5661, 0.4316, 0.4689



11.8266, 0.3282, 0.3369



10.9417, 0.5846, 0.3740



0.7047, 0.5465, 0.4043

Inverse Universe

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



27.1194, 0.2090, 0.2448



38.8722, 0.1972, 0.2242



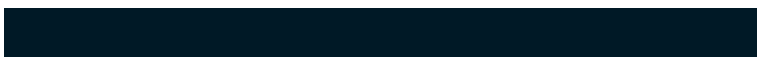
10.0906, 0.1777, 0.1224



12.0597, 0.2983, 0.3209



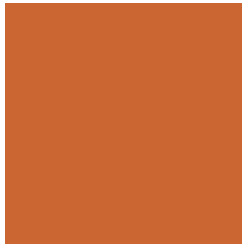
13.7684, 0.1930, 0.2148



0.8475, 0.1999, 0.2397

Previews

White Background



This preview shows how the Yxy color 22.4295, 0.5151, 0.3857 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 22.4295, 0.5151, 0.3857 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 22.4295, 0.5151, 0.3857

Background



This preview shows how black text looks on a background with the Yxy color 22.4295, 0.5151, 0.3857.



This preview shows how white text looks on a background with the Yxy color 22.4295, 0.5151, 0.3857.

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

22.4295, 0.5151, 0.3857

Protanopia

22.5578, 0.4080, 0.4477

Deuteranopia

22.4897, 0.4507, 0.4412



Tritanopia

22.4668, 0.4582, 0.3208

Trichromacy



Original Color

22.4295, 0.5151, 0.3857

Protanomaly

21.8158, 0.4487, 0.4232

Deuteranomaly

22.1530, 0.4754, 0.4196

Tritanomaly

22.3546, 0.4824, 0.3463

Monochromacy



Original Color

22.4295, 0.5151, 0.3857

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4744, 0.3860, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4295, 0.5151, 0.3857 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(203, 102, 50)` looks like.

```
.text, #text, p{  
    color:rgb(203, 102, 50)  
}
```

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(203, 102, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 102, 50) }
```

Border

The CSS property to change the border of an element to Yxy 22.4295, 0.5151, 0.3857 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(203, 102, 50) }
```

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

```
.border{ border-color:rgb(203, 102, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 102, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 102, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 102, 50);  
box-shadow:4px 4px 4px 4px rgb(203, 102,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4295, 0.5151, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 102, 50) }
```

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

```
.background{ background-color: rgb(203,  
102, 50) }
```

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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