

Converting Colors

$Y_{xy}(23.5718, 0.5056, 0.4017)$

Have a look what the booklet for
Yxy(23.5718, 0.5056, 0.4017)
contains.

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Color

Yxy(23.4834, 0.5057, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	C76E2D
RGB	199, 110, 45
RGB Percent	78%, 43%, 18%
CMY	0.2195, 0.5687, 0.8235
CMYK	0.00, 0.45, 0.77, 0.22
HSL	25°, 63%, 48%
HSV	25°, 77%, 78%
XYZ	29.6075, 23.4834, 5.4566
YIQ	129.2010, 73.9090, -1.3470

Conversions

Conversions Part 2

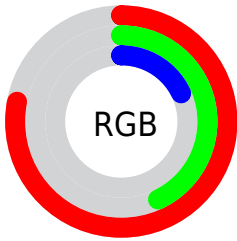
Format	Color
R_{YB}	199, 157, 45
Decimal	13069869
CIE _{Lab}	55.57, 30.46, 49.65
CIE _{LCh}	56, 58.254, 58.470
Yxy	23.4834, 0.5057, 0.4011
Android (android.graphics.Color)	4291259949 (0xFFC76E2D)
YUV	129.2010, -41.5111, 61.2137
Hunter-Lab	48.4597, 24.2539, 27.2456

Details

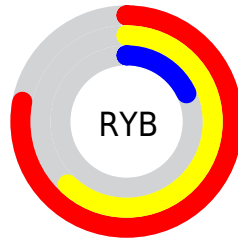
The Yxy color **23.4834, 0.5057, 0.4011** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **21.7469, 0.2015, 0.2200**, and the grayscale version is **22.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9269, 0.4637, 0.3952**, and **8.8265, 0.5549, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **21.0423, 0.5342, 0.3993**, and if you desaturate by 10%, it is **26.3217, 0.4748, 0.3979**.

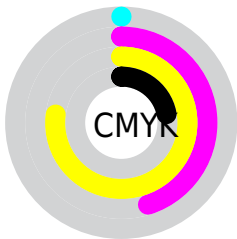
Distribution



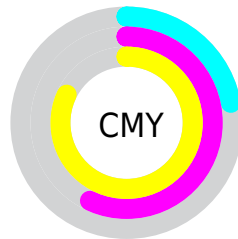
- Red (78%)
- Green (43%)
- Blue (18%)



- Red (78%)
- Yellow (62%)
- Blue (18%)



- Cyan (0%)
- Magenta (45%)
- Yellow (77%)
- Black (22%)





- Cyan (22%)
- Magenta (57%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4834, 0.5057, 0.4011 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 23.4834, 0.5057, 0.4011 by changing the saturation by 10% instead.


 23.4834, 0.5057,
0.4011


 23.4834, 0.5057,
0.4011


270.1982, 0.4025,
0.3724


 14.9509, 0.5308,
0.4031


 49.1859, 0.4679,
0.3939


 8.7849, 0.5611,
0.4016


 67.1246, 0.4537,
0.3901


 4.6011, 0.6036,
0.3964

 88.9674, 0.4417,
0.3865

 2.0152, 0.6354,
0.3646

 115.0989, 0.4315,
0.3832

 0.6163, 0.6988,
0.3012

 145.9033, 0.4227,
0.3801

 0.0000, 1.0000,
0.0000

 181.7650, 0.4151,

 0.0000, 0.0000,

0.3773

0.0000

223.0686, 0.4084,
0.3748

■ 23.4834, 0.5057,
0.4011

■ 23.4834, 0.5057,
0.4011

■ 21.0423, 0.5342,
0.3993

■ 26.3217, 0.4748,
0.3979

■ 18.9696, 0.5583,
0.3923

■ 29.5739, 0.4439,
0.3909

■ 18.4803, 0.5643,
0.3902

■ 33.2602, 0.4145,
0.3814

■ 37.3979, 0.3876,
0.3704

■ 42.0032, 0.3636,
0.3590

■ 47.0914, 0.3427,
0.3476

■ 52.6772, 0.3245,
0.3366

■ 58.7744, 0.3088,
0.3264

■ 65.3963, 0.2954,
0.3169

Harmonies

Analogous

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



23.4834, 0.5000, 0.3318



23.4834, 0.5057, 0.4011



23.4834, 0.4540, 0.4705

Triad

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



23.4834, 0.5057, 0.4011



23.4834, 0.1985, 0.3913



23.4834, 0.2316, 0.1881

Complementary

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



23.4834, 0.5057, 0.4011



21.7469, 0.2015, 0.2200

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.



23.4834, 0.1731, 0.1849



23.4834, 0.5057, 0.4011



23.4834, 0.1552, 0.2814

Square

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



23.4834, 0.5057, 0.4011



23.4834, 0.2770, 0.4935



23.4834, 0.1481, 0.2128



23.4834, 0.3235, 0.2175

Rectangle

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



23.4834, 0.5057, 0.4011



23.4834, 0.4003, 0.5068



23.4834, 0.1481, 0.2128



23.4834, 0.2082, 0.1840

Sweetspot

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



23.4846, 0.5057, 0.4011



77.0239, 0.3548, 0.3543



15.7685, 0.4182, 0.2285



15.8062, 0.3628, 0.3585



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.



23.4846, 0.5057, 0.4011



34.2366, 0.5515, 0.3949



47.5320, 0.4221, 0.4819



11.3601, 0.3279, 0.3388



12.0457, 0.5619, 0.3920



0.7131, 0.5251, 0.4213

Inverse Universe

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



21.7469, 0.2015, 0.2200



30.7730, 0.1879, 0.1926



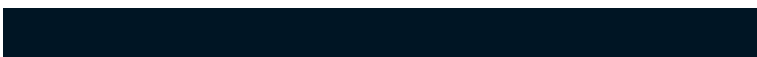
7.6942, 0.1710, 0.1020



11.2887, 0.2983, 0.3190



10.7190, 0.1850, 0.1860



0.6487, 0.1941, 0.2188

Previews

White Background



This preview shows how the Yxy color 23.4834, 0.5057, 0.4011 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 23.4834, 0.5057, 0.4011 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 23.4834, 0.5057, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 23.4834, 0.5057, 0.4011.



This preview shows how white text looks on a background with the Yxy color 23.4834, 0.5057, 0.4011.

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

23.4834, 0.5057, 0.4011

Protanopia

23.6877, 0.4149, 0.4563

Deuteranopia

23.6501, 0.4551, 0.4465



Tritanopia

23.4047, 0.4373, 0.3191

Trichromacy



Original Color

23.4834, 0.5057, 0.4011

Protanomaly

23.1045, 0.4492, 0.4356

Deuteranomaly

23.4185, 0.4739, 0.4297

Tritanomaly

23.4137, 0.4671, 0.3533

Monochromacy



Original Color

23.4834, 0.5057, 0.4011

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.6709, 0.3831, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4834, 0.5057, 0.4011 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(199, 110, 45)` looks like.

```
.text, #text, p{  
    color:rgb(199, 110, 45)  
}
```

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(199, 110, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 110, 45) }
```

Border

The CSS property to change the border of an element to Yxy 23.4834, 0.5057, 0.4011 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(199, 110, 45) }
```

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

```
.border{ border-color:rgb(199, 110, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 110, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 110, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 110, 45);  
box-shadow:4px 4px 4px 4px rgb(199, 110,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4834, 0.5057, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 110, 45) }
```

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

```
.background{ background-color: rgb(199,  
110, 45) }
```

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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