

Converting Colors

$Y_{xy}(23.2837, 0.5040, 0.3707)$

Have a look what the booklet for
Yxy(23.2837, 0.5040, 0.3707)
contains.

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Color

Yxy(23.2943, 0.5048, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	D06641
RGB	208, 102, 65
RGB Percent	82%, 40%, 25%
CMY	0.1843, 0.6000, 0.7451
CMYK	0.00, 0.51, 0.69, 0.18
HSL	16°, 60%, 54%
HSV	16°, 69%, 82%
XYZ	31.7210, 23.2943, 7.8234
YIQ	129.4760, 75.0530, 10.9650

Conversions

Conversions Part 2

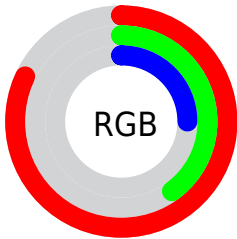
Format	Color
R_{YB}	208, 115, 65
Decimal	13657665
CIE _{Lab}	55.37, 39.17, 39.91
CIE _{LCh}	55, 55.925, 45.535
Yxy	23.2943, 0.5048, 0.3707
Android (android.graphics.Color)	4291847745 (0xFFD06641)
YUV	129.4760, -31.7867, 68.8655
Hunter-Lab	48.2642, 32.8544, 24.1743

Details

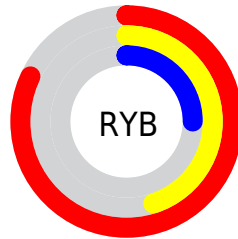
The Yxy color **23.2943, 0.5048, 0.3707** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **34.8070, 0.2200, 0.2722**, and the grayscale version is **22.2228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9176, 0.4525, 0.3711**, and **8.7106, 0.5676, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **20.3434, 0.5432, 0.3702**, and if you desaturate by 10%, it is **26.9001, 0.4661, 0.3677**.

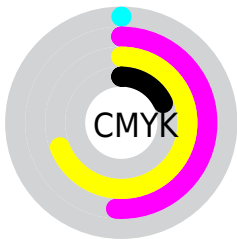
Distribution



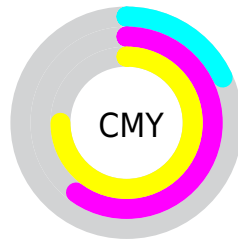
- Red (82%)
- Green (40%)
- Blue (25%)



- Red (82%)
- Yellow (45%)
- Blue (25%)



- Cyan (0%)
- Magenta (51%)
- Yellow (69%)
- Black (18%)





- Cyan (18%)
- Magenta (60%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2943, 0.5048, 0.3707 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 23.2943, 0.5048, 0.3707 by changing the saturation by 10% instead.


 23.2943, 0.5048,
0.3707


 23.2943, 0.5048,
0.3707


269.2330, 0.3995,
0.3566


 14.8110, 0.5324,
0.3702


 48.8761, 0.4650,
0.3681


 8.6868, 0.5676,
0.3663


 66.7434, 0.4504,
0.3663

 4.5375, 0.6195,
0.3592


 88.5074, 0.4383,
0.3644

 1.9785, 0.6709,
0.3291

 114.5526, 0.4281,
0.3627

 0.5950, 0.7431,
0.2569

 145.2634, 0.4193,
0.3610

 0.0000, 1.0000,
0.0000

 181.0241, 0.4118,

 0.0000, 0.0000,

0.3594

0.0000

222.2192, 0.4052,
0.3579

■ 23.2943, 0.5048,
0.3707

■ 23.2943, 0.5048,
0.3707

■ 20.3434, 0.5432,
0.3702

■ 26.9001, 0.4661,
0.3677

■ 18.0021, 0.5775,
0.3655

■ 31.1948, 0.4300,
0.3624

■ 16.2208, 0.6041,
0.3572

■ 36.2141, 0.3979,
0.3558

■ 16.0340, 0.6071,
0.3562

■ 41.9903, 0.3703,
0.3486

■ 48.5536, 0.3469,
0.3415

■ 55.9325, 0.3272,
0.3346

■ 64.1541, 0.3108,
0.3282

■ 73.2440, 0.2971,
0.3223

■ 83.2271, 0.2856,
0.3169

Harmonies

Analogous

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



23.2943, 0.4702, 0.3049



23.2943, 0.5048, 0.3707



23.2943, 0.4769, 0.4392

Triad

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



23.2943, 0.5048, 0.3707



23.2943, 0.2322, 0.4366



23.2943, 0.2055, 0.1875

Complementary

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



23.2943, 0.5048, 0.3707



34.8070, 0.2200, 0.2722

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.



23.2943, 0.1628, 0.1969



23.2943, 0.5048, 0.3707



23.2943, 0.1737, 0.3257

Square

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



23.2943, 0.5048, 0.3707



23.2943, 0.3178, 0.5073



23.2943, 0.1518, 0.2403



23.2943, 0.2817, 0.2055

Rectangle

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



23.2943, 0.5048, 0.3707



23.2943, 0.4333, 0.4807



23.2943, 0.1518, 0.2403



23.2943, 0.1876, 0.1874

Sweetspot

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



23.2956, 0.5048, 0.3707



74.2550, 0.3523, 0.3433



20.1799, 0.3657, 0.2086



15.2631, 0.3587, 0.3453



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.



23.2956, 0.5048, 0.3707



30.1936, 0.5619, 0.3683



43.3972, 0.4336, 0.4504



12.2984, 0.3284, 0.3351



10.1256, 0.6046, 0.3581



0.6966, 0.5678, 0.3874

Inverse Universe

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



34.8070, 0.2200, 0.2722



49.1594, 0.2083, 0.2575



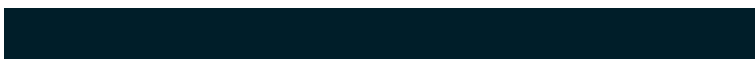
14.9362, 0.1921, 0.1577



12.8677, 0.2983, 0.3228



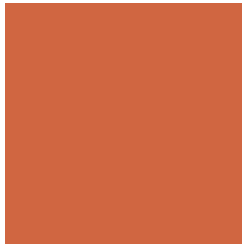
17.4432, 0.2010, 0.2435



1.0996, 0.2058, 0.2610

Previews

White Background



This preview shows how the Yxy color 23.2943, 0.5048, 0.3707 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 23.2943, 0.5048, 0.3707 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 23.2943, 0.5048, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 23.2943, 0.5048, 0.3707.



This preview shows how white text looks on a background with the Yxy color 23.2943, 0.5048, 0.3707.

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

23.2943, 0.5048, 0.3707

Protanopia

23.3940, 0.3915, 0.4258

Deuteranopia

23.4938, 0.4360, 0.4287



Tritanopia

23.2505, 0.4605, 0.3210

Trichromacy



Original Color

23.2943, 0.5048, 0.3707

Protanomaly

22.8090, 0.4341, 0.4048

Deuteranomaly

23.1175, 0.4629, 0.4057

Tritanomaly

23.2172, 0.4776, 0.3402

Monochromacy



Original Color

23.2943, 0.5048, 0.3707

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5034, 0.3797, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2943, 0.5048, 0.3707 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(208, 102, 65)` looks like.

```
.text, #text, p{  
    color:rgb(208, 102, 65)  
}
```

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(208, 102, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 102, 65) }
```

Border

The CSS property to change the border of an element to Yxy 23.2943, 0.5048, 0.3707 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(208, 102, 65) }
```

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

```
.border{ border-color:rgb(208, 102, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 102, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 102, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 102, 65);  
box-shadow:4px 4px 4px 4px rgb(208, 102,  
65) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.2943, 0.5048, 0.3707$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 102, 65) }
```

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

```
.background{ background-color: rgb(208,  
102, 65) }
```

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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