

Converting Colors

$Yxy(23.7049, 0.5169, 0.4181)$

Have a look what the booklet for
Yxy(23.7049, 0.5169, 0.4181)
contains.

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Color

Yxy(23.6446, 0.5166, 0.4182)

Conversions

Conversions Part 1

Format	Color
Hex	C67014
RGB	198, 112, 20
RGB Percent	78%, 44%, 8%
CMY	0.2236, 0.5607, 0.9215
CMYK	0.00, 0.43, 0.90, 0.22
HSL	31°, 82%, 43%
HSV	31°, 90%, 78%
XYZ	29.2080, 23.6446, 3.6863
YIQ	127.2260, 80.7880, -10.3800

Conversions

Conversions Part 2

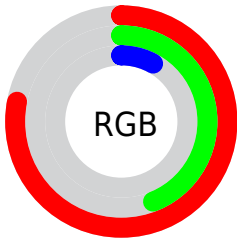
Format	Color
R_{YB}	186, 198, 20
Decimal	13004820
CIE _{Lab}	55.73, 28.23, 58.97
CIE _{LCh}	56, 65.380, 64.421
Yxy	23.6446, 0.5166, 0.4182
Android (android.graphics.Color)	4291194900 (0xFFC67014)
YUV	127.2260, -52.8624, 62.0688
Hunter-Lab	48.6257, 22.1247, 29.5432

Details

The Yxy color **23.6446, 0.5166, 0.4182** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.5318, 0.1827, 0.1698**, and the grayscale version is **21.4711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3327, 0.4756, 0.4118**, and **8.9583, 0.5497, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **21.5957, 0.5362, 0.4123**, and if you desaturate by 10%, it is **25.9715, 0.4936, 0.4193**.

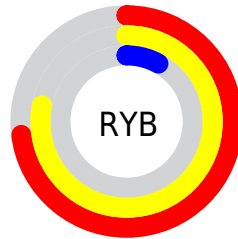
Distribution



Red (78%)

Green (44%)

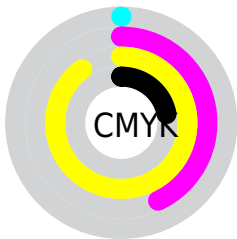
Blue (8%)



Red (73%)

Yellow (78%)

Blue (8%)

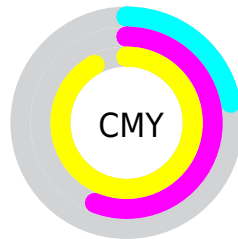


Cyan (0%)

Magenta (43%)

Yellow (90%)

Black (22%)



Cyan (22%)


Magenta (56%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6446, 0.5166, 0.4182 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 23.6446, 0.5166, 0.4182 by changing the saturation by 10% instead.


 23.6446, 0.5166,
0.4182


 23.6446, 0.5166,
0.4182

271.0187, 0.4111,
0.3840


 15.0702, 0.5398,
0.4197


 49.4496, 0.4796,
0.4103


 8.8687, 0.5711,
0.4202


 67.4490, 0.4650,
0.4058

 4.6556, 0.5954,
0.4046

 89.3589, 0.4526,
0.4014

 2.0467, 0.6253,
0.3747

 115.5636, 0.4419,
0.3973

 0.6344, 0.6846,
0.3154

 146.4475, 0.4326,
0.3935

 0.0000, 1.0000,
0.0000

 182.3951, 0.4245,

 0.0000, 0.0000,

0.3900

0.0000

223.7907, 0.4174,
0.3869

23.6446, 0.5166,
0.4182

23.6446, 0.5166,
0.4182

21.5957, 0.5362,
0.4123

25.9715, 0.4936,
0.4193

21.5755, 0.5364,
0.4123

28.5970, 0.4680,
0.4153

31.5379, 0.4413,
0.4070

34.8083, 0.4150,
0.3957

38.4210, 0.3901,
0.3827

■ 42.3878, 0.3673,
0.3689

■ 46.7200, 0.3467,
0.3551

■ 51.4281, 0.3286,
0.3416

■ 56.5223, 0.3126,
0.3289

Harmonies

Analogous

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



23.6446, 0.5282, 0.3431



23.6446, 0.5166, 0.4182



23.6446, 0.4479, 0.4951

Triad

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



23.6446, 0.5166, 0.4182



23.6446, 0.1734, 0.3711



23.6446, 0.2399, 0.1799

Complementary

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



23.6446, 0.5166, 0.4182



14.5318, 0.1827, 0.1698

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.



23.6446, 0.1698, 0.1702



23.6446, 0.5166, 0.4182



23.6446, 0.1364, 0.2551

Square

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



23.6446, 0.5166, 0.4182



23.6446, 0.2513, 0.4989



23.6446, 0.1366, 0.1916



23.6446, 0.3472, 0.2163

Rectangle

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



23.6446, 0.5166, 0.4182



23.6446, 0.3854, 0.5335



23.6446, 0.1366, 0.1916



23.6446, 0.2121, 0.1736

Sweetspot

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



23.6459, 0.5166, 0.4182



76.9156, 0.3619, 0.3655



13.5467, 0.4790, 0.2482



15.9146, 0.3694, 0.3703



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.



23.6459, 0.5166, 0.4182



37.7115, 0.5386, 0.4106



52.0415, 0.4145, 0.5037



11.5286, 0.3277, 0.3410



14.2043, 0.5344, 0.4138



0.8172, 0.5042, 0.4379

Inverse Universe

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



14.5318, 0.1827, 0.1698



21.4327, 0.1747, 0.1488



4.7593, 0.1557, 0.0687



11.1189, 0.2983, 0.3168



8.2205, 0.1761, 0.1537



0.5341, 0.1868, 0.1926

Previews

White Background



This preview shows how the Yxy color 23.6446, 0.5166, 0.4182 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 23.6446, 0.5166, 0.4182 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 23.6446, 0.5166, 0.4182

Background



This preview shows how black text looks on a background with the Yxy color 23.6446, 0.5166, 0.4182.



This preview shows how white text looks on a background with the Yxy color 23.6446, 0.5166, 0.4182.

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

23.6446, 0.5166, 0.4182

Protanopia

23.7041, 0.4330, 0.4779

Deuteranopia

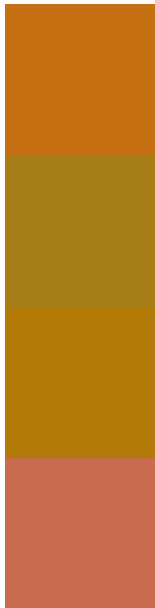
23.7248, 0.4720, 0.4634



Tritanopia

23.6270, 0.4353, 0.3191

Trichromacy



Original Color

23.6446, 0.5166, 0.4182

Protanomaly

23.3125, 0.4644, 0.4553

Deuteranomaly

23.6377, 0.4885, 0.4472

Tritanomaly

23.4974, 0.4764, 0.3639

Monochromacy



Original Color

23.6446, 0.5166, 0.4182

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3960, 0.3941, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6446, 0.5166, 0.4182 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(198, 112, 20)` looks like.

```
.text, #text, p{  
    color:rgb(198, 112, 20)  
}
```

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(198, 112, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 112, 20) }
```

Border

The CSS property to change the border of an element to Yxy 23.6446, 0.5166, 0.4182 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(198, 112, 20) }
```

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

```
.border{ border-color:rgb(198, 112, 20) }
```

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

Here you see how a box with a 4 pixel rgb(198, 112, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 112, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 112, 20);  
box-shadow:4px 4px 4px 4px rgb(198, 112,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6446, 0.5166, 0.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 112, 20) }
```

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

```
.background{ background-color: rgb(198,  
112, 20) }
```

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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