

Converting Colors

$Yxy(23.2418, 0.5484, 0.4489)$

Have a look what the booklet for
Yxy(23.2418, 0.5484, 0.4489)
contains.

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Color

Yxy(23.5941, 0.5222, 0.4236)

Conversions

Conversions Part 1

Format	Color
Hex	C67000
RGB	198, 112, 0
RGB Percent	78%, 44%, 0%
CMY	0.2235, 0.5608, 1.0000
CMYK	0.00, 0.43, 1.00, 0.22
HSL	34°, 100%, 39%
HSV	34°, 100%, 78%
XYZ	29.0860, 23.5941, 3.0189
YIQ	124.9460, 87.2080, -16.6000

Conversions

Conversions Part 2

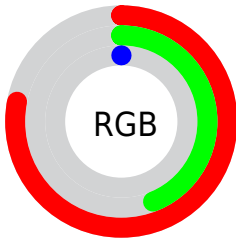
Format	Color
RYB	152, 198, 0
Decimal	13004800
CIELab	55.68, 27.98, 63.05
CIElCh	56, 68.980, 66.072
Yxy	23.5941, 0.5222, 0.4236
Android (android.graphics.Color)	4291194880 (0xFFC67000)
YUV	124.9460, -61.5984, 64.0684
Hunter-Lab	48.5738, 21.8819, 30.3167

Details

The Yxy color **23.5941, 0.5222, 0.4236** 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 **10.7370, 0.1711, 0.1358**, and the grayscale version is **20.6792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2043, 0.4816, 0.4183**, and **8.9583, 0.5497, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **23.5955, 0.5222, 0.4236**, and if you desaturate by 10%, it is **25.6351, 0.5047, 0.4283**.

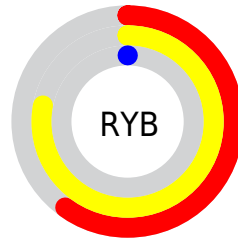
Distribution



Red (78%)

Green (44%)

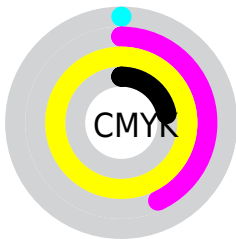
Blue (0%)



Red (60%)

Yellow (78%)

Blue (0%)

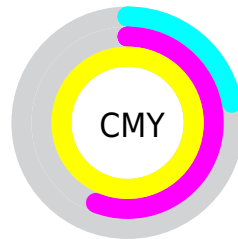


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5941, 0.5222, 0.4236 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 23.5941, 0.5222, 0.4236 by changing the saturation by 10% instead.


 23.5941, 0.5222,
0.4236


 23.5941, 0.5222,
0.4236

270.7619, 0.4155,
0.3885


 15.0328, 0.5445,
0.4243


 49.3670, 0.4855,
0.4161


 8.8424, 0.5755,
0.4245


 67.3474, 0.4709,
0.4115

 4.6385, 0.5947,
0.4053

 89.2363, 0.4582,
0.4070

 2.0368, 0.6244,
0.3756

 115.4181, 0.4473,
0.4027

 0.6287, 0.6841,
0.3159

 146.2771, 0.4378,
0.3987

 0.0000, 1.0000,
0.0000


 182.1979, 0.4294,


 0.0000, 0.0000,


0.3950


0.0000


 223.5647, 0.4221,
0.3916


 23.5941, 0.5222,
0.4236


 23.5941, 0.5222,
0.4236

 23.5955, 0.5222,
0.4236

 25.6351, 0.5047,
0.4283

 27.9119, 0.4842,
0.4284

 30.4483, 0.4609,
0.4233

 33.2583, 0.4364,
0.4141

 36.3540, 0.4119,
0.4018

■ 39.7465, 0.3883,
0.3877

■ 43.4462, 0.3664,
0.3727

■ 47.4627, 0.3465,
0.3576

■ 51.8051, 0.3286,
0.3429

Harmonies

Analogous

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



23.5941, 0.5404, 0.3457



23.5941, 0.5222, 0.4236



23.5941, 0.4467, 0.5049

Triad

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



23.5941, 0.5222, 0.4236



23.5941, 0.1633, 0.3649



23.5941, 0.2414, 0.1753

Complementary

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



23.5941, 0.5222, 0.4236



10.7370, 0.1711, 0.1358

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.



23.5941, 0.1667, 0.1636



23.5941, 0.5222, 0.4236



23.5941, 0.1283, 0.2453

Square

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



23.5941, 0.5222, 0.4236



23.5941, 0.2416, 0.5042



23.5941, 0.1308, 0.1830



23.5941, 0.3555, 0.2142

Rectangle

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



23.5941, 0.5222, 0.4236



23.5941, 0.3805, 0.5458



23.5941, 0.1308, 0.1830



23.5941, 0.2118, 0.1683

Sweetspot

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



23.5955, 0.5222, 0.4236



76.6135, 0.3674, 0.3734



12.7312, 0.5182, 0.2628



15.7863, 0.3766, 0.3798



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.



23.5955, 0.5222, 0.4236



41.2746, 0.5241, 0.4221



51.1021, 0.4106, 0.5122



11.6157, 0.3276, 0.3421



15.5147, 0.5204, 0.4250



0.8768, 0.4938, 0.4461

Inverse Universe

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



10.7370, 0.1711, 0.1358



18.5399, 0.1703, 0.1332



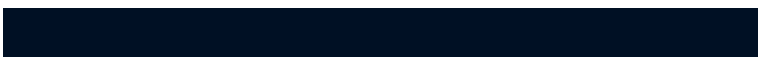
4.1419, 0.1514, 0.0608



11.0328, 0.2983, 0.3156



7.1448, 0.1718, 0.1383



0.4817, 0.1832, 0.1794

Previews

White Background



This preview shows how the Yxy color 23.5941, 0.5222, 0.4236 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 23.5941, 0.5222, 0.4236 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 23.5941, 0.5222, 0.4236

Background



This preview shows how black text looks on a background with the Yxy color 23.5941, 0.5222, 0.4236.



This preview shows how white text looks on a background with the Yxy color 23.5941, 0.5222, 0.4236.

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

23.5941, 0.5222, 0.4236

Protanopia

23.6669, 0.4365, 0.4832

Deuteranopia

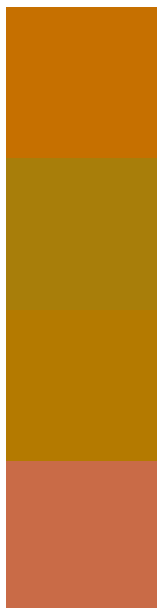
23.6138, 0.4709, 0.4643



Tritanopia

23.6270, 0.4353, 0.3191

Trichromacy



Original Color

23.5941, 0.5222, 0.4236

Protanomaly

23.2685, 0.4689, 0.4611

Deuteranomaly

23.6224, 0.4901, 0.4491

Tritanomaly

23.3878, 0.4859, 0.3728

Monochromacy



Original Color

23.5941, 0.5222, 0.4236

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6875, 0.4039, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5941, 0.5222, 0.4236 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 112, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.5941, 0.5222, 0.4236 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, 0) }
```

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

```
.border{ border-color:rgb(198, 112, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5941, 0.5222, 0.4236 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, 0) }
```

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

```
.background{ background-color: rgb(198,  
112, 0) }
```

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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