

Converting Colors

$Y_{xy}(23.3612, 0.5527, 0.4362)$

Have a look what the booklet for
Yxy(23.3612, 0.5527, 0.4362)
contains.

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Color

Yxy(23.6338, 0.5308, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	CB6D00
RGB	203, 109, 0
RGB Percent	80%, 43%, 0%
CMY	0.2039, 0.5725, 1.0000
CMYK	0.00, 0.46, 1.00, 0.20
HSL	32°, 100%, 40%
HSV	32°, 100%, 80%
XYZ	30.0979, 23.6338, 2.9712
YIQ	124.6800, 91.0130, -13.9710

Conversions

Conversions Part 2

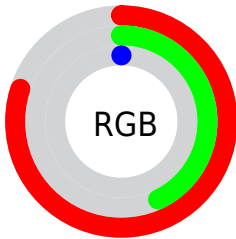
Format	Color
RYB	175, 203, 0
Decimal	13331712
CIELab	55.72, 31.67, 63.44
CIELCh	56, 70.906, 63.473
Yxy	23.6338, 0.5308, 0.4168
Android (android.graphics.Color)	4291521792 (0xFFCB6D00)
YUV	124.6800, -61.4672, 68.6866
Hunter-Lab	48.6146, 25.4361, 30.4065

Details

The Yxy color **23.6338, 0.5308, 0.4168** 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 **12.3179, 0.1735, 0.1446**, and the grayscale version is **20.5837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1431, 0.4844, 0.4155**, and **8.9825, 0.5598, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **23.6354, 0.5308, 0.4168**, and if you desaturate by 10%, it is **25.8011, 0.5121, 0.4223**.

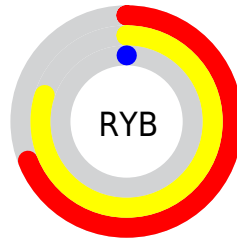
Distribution



Red (80%)

Green (43%)

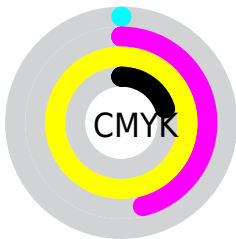
Blue (0%)



Red (69%)

Yellow (80%)

Blue (0%)

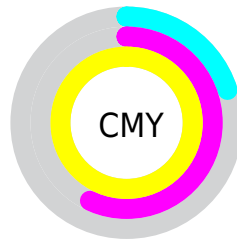


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6338, 0.5308, 0.4168 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 23.6338, 0.5308, 0.4168 by changing the saturation by 10% instead.


 23.6338, 0.5308,
0.4168


 23.6338, 0.5308,
0.4168


270.9638, 0.4196,
0.3864


 15.0622, 0.5541,
0.4160


 49.4320, 0.4926,
0.4113


 8.8630, 0.5861,
0.4139


 67.4273, 0.4773,
0.4074


 4.6520, 0.6073,
0.3927

 89.3327, 0.4641,
0.4034

 2.0445, 0.6397,
0.3603

 115.5325, 0.4527,
0.3995

 0.6332, 0.7025,
0.2975

 146.4111, 0.4428,
0.3959

 0.0000, 1.0000,
0.0000

 182.3529, 0.4341,


 0.0000, 0.0000,

0.3925


0.0000


 223.7424, 0.4264,
0.3893

 23.6338, 0.5308,
0.4168


 23.6338, 0.5308,
0.4168

 23.6354, 0.5308,
0.4168

 25.8011, 0.5121,
0.4223

 28.2419, 0.4902,
0.4231

 30.9827, 0.4655,
0.4187

 34.0391, 0.4397,
0.4101

 37.4253, 0.4140,
0.3984

■ 41.1542, 0.3897,
0.3849

■ 45.2376, 0.3672,
0.3706

■ 49.6868, 0.3468,
0.3563

■ 54.5122, 0.3287,
0.3423

Harmonies

Analogous

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



23.6338, 0.5438, 0.3384



23.6338, 0.5308, 0.4168



23.6338, 0.4565, 0.5009

Triad

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



23.6338, 0.5308, 0.4168



23.6338, 0.1649, 0.3785



23.6338, 0.2312, 0.1702

Complementary

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



23.6338, 0.5308, 0.4168



12.3179, 0.1735, 0.1446

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.



23.6338, 0.1592, 0.1607



23.6338, 0.5308, 0.4168



23.6338, 0.1261, 0.2509

Square

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



23.6338, 0.5308, 0.4168



23.6338, 0.2478, 0.5194



23.6338, 0.1259, 0.1832



23.6338, 0.3451, 0.2074

Rectangle

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



23.6338, 0.5308, 0.4168



23.6338, 0.3898, 0.5467



23.6338, 0.1259, 0.1832



23.6338, 0.2024, 0.1638

Sweetspot

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



23.6354, 0.5308, 0.4168



75.4589, 0.3680, 0.3712



13.5188, 0.5115, 0.2591



15.5125, 0.3774, 0.3774



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.



23.6354, 0.5308, 0.4168



39.1291, 0.5326, 0.4153



54.4825, 0.4135, 0.5099



12.1946, 0.3277, 0.3415



15.2246, 0.5288, 0.4183



0.9364, 0.5018, 0.4398

Inverse Universe

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



12.3179, 0.1735, 0.1446



20.1953, 0.1729, 0.1423



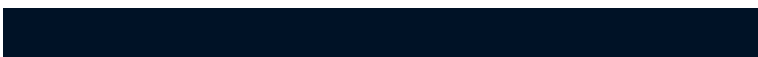
4.3557, 0.1509, 0.0605



11.6859, 0.2983, 0.3162



8.0170, 0.1742, 0.1471



0.5649, 0.1845, 0.1843

Previews

White Background



This preview shows how the Yxy color 23.6338, 0.5308, 0.4168 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 23.6338, 0.5308, 0.4168 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 23.6338, 0.5308, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 23.6338, 0.5308, 0.4168.



This preview shows how white text looks on a background with the Yxy color 23.6338, 0.5308, 0.4168.

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

23.6338, 0.5308, 0.4168

Protanopia

23.6700, 0.4362, 0.4828

Deuteranopia

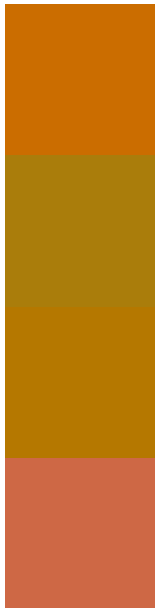
23.6138, 0.4709, 0.4643



Tritanopia

23.6555, 0.4487, 0.3207

Trichromacy



Original Color

23.6338, 0.5308, 0.4168

Protanomaly

23.2374, 0.4724, 0.4579

Deuteranomaly

23.2567, 0.4941, 0.4459

Tritanomaly

23.4521, 0.4963, 0.3697

Monochromacy



Original Color

23.6338, 0.5308, 0.4168

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.5451, 0.4060, 0.3938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6338, 0.5308, 0.4168 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, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 109, 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(203, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 109, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.6338, 0.5308, 0.4168 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, 109, 0) }
```

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

```
.border{ border-color:rgb(203, 109, 0) }
```

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

Here you see how a box with a 4 pixel rgb(203, 109, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 109,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6338, 0.5308, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 109, 0) }
```

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

```
.background{ background-color: rgb(203,  
109, 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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