

# Converting Colors

$Y_{xy}(23.2740, 0.5320, 0.4005)$

Have a look what the booklet for  
Yxy(23.2740, 0.5320, 0.4005)  
contains.

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**Color**

**Yxy(23.2452, 0.5322, 0.4006)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF681B
RGB	207, 104, 27
RGB Percent	81%, 41%, 11%
CMY	0.1882, 0.5921, 0.8939
CMYK	0.00, 0.50, 0.87, 0.19
HSL	26°, 77%, 46%
HSV	26°, 87%, 81%
XYZ	30.8814, 23.2452, 3.8993
YIQ	126.0190, 86.1050, -2.1110

# Conversions

## Conversions Part 2

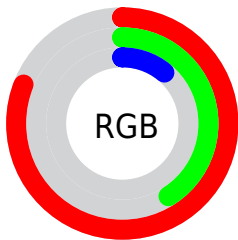
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 162, 27
Decimal	13592603
CIE Lab	55.32, 36.30, 57.05
CIE LCh	55, 67.620, 57.529
Yxy	23.2452, 0.5322, 0.4006
Android (android.graphics.Color)	4291782683 (0xFFCF681B)
YUV	126.0190, -48.8164, 71.0203
Hunter-Lab	48.2133, 29.9590, 28.9541

# Details

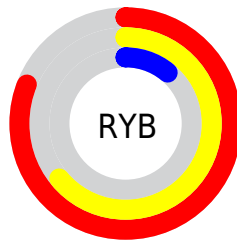
The Yxy color **23.2452, 0.5322, 0.4006** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **20.7190, 0.1924, 0.2023**, and the grayscale version is **21.0210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9531, 0.4791, 0.4021**, and **8.7493, 0.5748, 0.3818** is the 20% darker color. If you saturate the color by 10%, you get **20.9608, 0.5562, 0.3937**, and if you desaturate by 10%, it is **25.9339, 0.5038, 0.4022**.

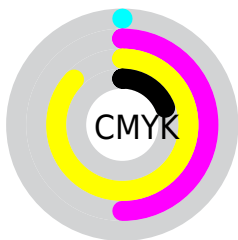
# Distribution



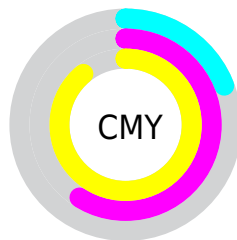
- Red (81%)
- Green (41%)
- Blue (11%)



- Red (81%)
- Yellow (64%)
- Blue (11%)



- Cyan (0%)
- Magenta (50%)
- Yellow (87%)
- Black (19%)




- Cyan (19%)
- Magenta (59%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2452, 0.5322, 0.4006 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 23.2452, 0.5322, 0.4006 by changing the saturation by 10% instead.




 23.2452, 0.5322,  
0.4006


 23.2452, 0.5322,  
0.4006


268.9819, 0.4172,  
0.3768

 14.7747, 0.5583,  
0.3993


 48.7956, 0.4913,  
0.3967


 8.6614, 0.5925,  
0.3952


 66.6443, 0.4754,  
0.3937


 4.5210, 0.6238,  
0.3762

 88.3878, 0.4619,  
0.3905

 1.9691, 0.6601,  
0.3399

 114.4106, 0.4503,  
0.3874

 0.5894, 0.7311,  
0.2689

 145.0970, 0.4403,  
0.3845

 0.0000, 1.0000,  
0.0000

 180.8314, 0.4316,

 0.0000, 0.0000,

0.3817

0.0000

221.9983, 0.4239,  
0.3791

23.2452, 0.5322,  
0.4006

23.2452, 0.5322,  
0.4006

20.9608, 0.5562,  
0.3937

25.9339, 0.5038,  
0.4022

20.3302, 0.5630,  
0.3911

29.0491, 0.4732,  
0.3987

32.6144, 0.4424,  
0.3915

36.6500, 0.4132,  
0.3817

41.1745, 0.3865,  
0.3706

■ 46.2055, 0.3627,  
0.3589

■ 51.7595, 0.3418,  
0.3474

■ 57.8521, 0.3238,  
0.3363

■ 64.4984, 0.3082,  
0.3259

# Harmonies

## Analogous

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



23.2452, 0.5277, 0.3253



23.2452, 0.5322, 0.4006



23.2452, 0.4707, 0.4814

# Triad

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



23.2452, 0.5322, 0.4006



23.2452, 0.1832, 0.4057



23.2452, 0.2170, 0.1708

# Complementary

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



23.2452, 0.5322, 0.4006



20.7190, 0.1924, 0.2023

# 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.



23.2452, 0.1546, 0.1674



23.2452, 0.5322, 0.4006



23.2452, 0.1361, 0.2745

# Square

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



23.2452, 0.5322, 0.4006



23.2452, 0.2710, 0.5278



23.2452, 0.1286, 0.1973



23.2452, 0.3200, 0.2020



# Rectangle

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



23.2452, 0.5322, 0.4006



23.2452, 0.4092, 0.5288



23.2452, 0.1286, 0.1973



23.2452, 0.1917, 0.1664

# Sweetspot

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



23.2465, 0.5322, 0.4006



74.5729, 0.3613, 0.3582



15.7189, 0.4372, 0.2269



15.3326, 0.3692, 0.3623



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.



23.2465, 0.5322, 0.4006



32.2059, 0.5650, 0.3896



51.0474, 0.4291, 0.4891



12.6275, 0.3280, 0.3390



12.9882, 0.5607, 0.3930



0.8822, 0.5285, 0.4186



# Inverse Universe

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



20.7190, 0.1924, 0.2023



27.7653, 0.1832, 0.1796



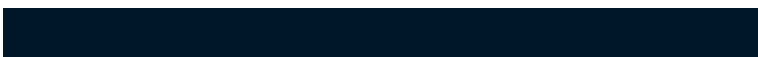
6.3986, 0.1597, 0.0815



12.5250, 0.2983, 0.3188



11.2650, 0.1844, 0.1836



0.7856, 0.1925, 0.2129



# Previews

## White Background



This preview shows how the Yxy color 23.2452, 0.5322, 0.4006 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 23.2452, 0.5322, 0.4006 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 23.2452, 0.5322, 0.4006**

## **Background**



This preview shows how black text looks on a background with the Yxy color 23.2452, 0.5322, 0.4006.



This preview shows how white text looks on a background with the Yxy color 23.2452, 0.5322, 0.4006.

# 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

23.2452, 0.5322, 0.4006

### Protanopia

23.2860, 0.4273, 0.4719

### Deuteranopia

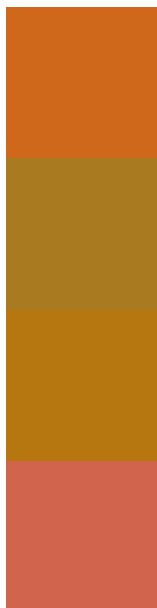
23.2663, 0.4692, 0.4614



## Tritanopia

23.2505, 0.4605, 0.3210

# Trichromacy



## Original Color

23.2452, 0.5322, 0.4006

## Protanomaly

22.5694, 0.4681, 0.4440

## Deuteranomaly

22.9394, 0.4940, 0.4381

## Tritanomaly

23.1915, 0.4950, 0.3570

# Monochromacy



## Original Color

23.2452, 0.5322, 0.4006

## Achromatopsia

20.8637, 0.3127, 0.3290

## Achromatomaly

20.6636, 0.3970, 0.3756

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.2452, 0.5322, 0.4006 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(207, 104, 27)` looks like.

```
.text, #text, p{  
    color:rgb(207, 104, 27)  
}
```

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(207, 104, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 104, 27) }
```

## Border

The CSS property to change the border of an element to Yxy 23.2452, 0.5322, 0.4006 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(207, 104, 27) }
```

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

```
.border{ border-color:rgb(207, 104, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 104, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 104, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 104, 27);  
box-shadow:4px 4px 4px 4px rgb(207, 104,  
27) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.2452, 0.5322, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 104, 27) }
```

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

```
.background{ background-color: rgb(207,  
104, 27) }
```

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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