

Converting Colors

$Y_{xy}(23.3717, 0.5343, 0.4139)$

Have a look what the booklet for
Yxy(23.3717, 0.5343, 0.4139)
contains.

Yxy(23.3528, 0.5345, 0.4138)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.3528, 0.5345, 0.4138)

Conversions

Conversions Part 1

Format	Color
Hex	CC6B00
RGB	204, 107, 0
RGB Percent	80%, 42%, 0%
CMY	0.1999, 0.5804, 1.0000
CMYK	0.00, 0.48, 1.00, 0.20
HSL	31°, 100%, 40%
HSV	31°, 100%, 80%
XYZ	30.1645, 23.3528, 2.9177
YIQ	123.8050, 92.1590, -12.7130

Conversions

Conversions Part 2

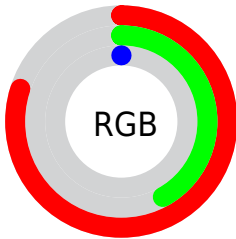
Format	Color
RYB	185, 204, 0
Decimal	13396736
CIELab	55.43, 33.15, 63.31
CIELCh	55, 71.466, 62.365
Yxy	23.3528, 0.5345, 0.4138
Android (android.graphics.Color)	4291586816 (0xFFCC6B00)
YUV	123.8050, -61.0359, 70.3310
Hunter-Lab	48.3247, 26.8522, 30.2476

Details

The Yxy color **23.3528, 0.5345, 0.4138** 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 **12.9175, 0.1746, 0.1486**, and the grayscale version is **20.2722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4496, 0.4863, 0.4136**, and **8.7659, 0.5666, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **23.3534, 0.5345, 0.4138**, and if you desaturate by 10%, it is **25.5440, 0.5153, 0.4197**.

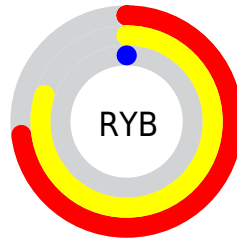
Distribution



Red (80%)

Green (42%)

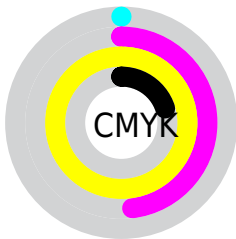
Blue (0%)



Red (73%)

Yellow (80%)

Blue (0%)

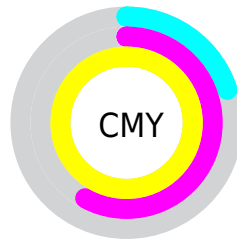


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3528, 0.5345, 0.4138 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 23.3528, 0.5345, 0.4138 by changing the saturation by 10% instead.


 23.3528, 0.5345,
0.4138


 23.3528, 0.5345,
0.4138


269.5319, 0.4212,
0.3854


 14.8542, 0.5584,
0.4124


 48.9720, 0.4954,
0.4091


 8.7171, 0.5908,
0.4092


 66.8614, 0.4799,
0.4055


 4.5571, 0.6130,
0.3870

 88.6498, 0.4665,
0.4017

 1.9899, 0.6470,
0.3530

 114.7218, 0.4548,
0.3980

 0.6016, 0.7143,
0.2857

 145.4615, 0.4447,
0.3945

 0.0000, 1.0000,
0.0000

 181.2535, 0.4359,

 0.0000, 0.0000,


0.3912

0.0000


 222.4822, 0.4281,
0.3882


 23.3528, 0.5345,
0.4138

 23.3528, 0.5345,
0.4138


 23.3534, 0.5345,
0.4138

 25.5440, 0.5153,
0.4197

 28.0231, 0.4927,
0.4208

 30.8167, 0.4675,
0.4167

 33.9417, 0.4411,
0.4083

 37.4126, 0.4149,
0.3969

■ 41.2431, 0.3902,
0.3837

■ 45.4456, 0.3674,
0.3697

■ 50.0320, 0.3469,
0.3556

■ 55.0133, 0.3287,
0.3420

Harmonies

Analogous

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



23.3528, 0.5452, 0.3352



23.3528, 0.5345, 0.4138



23.3528, 0.4607, 0.4989

Triad

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



23.3528, 0.5345, 0.4138



23.3528, 0.1657, 0.3847



23.3528, 0.2269, 0.1680

Complementary

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



23.3528, 0.5345, 0.4138



12.9175, 0.1746, 0.1486

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.



23.3528, 0.1560, 0.1595



23.3528, 0.5345, 0.4138



23.3528, 0.1252, 0.2535

Square

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



23.3528, 0.5345, 0.4138



23.3528, 0.2506, 0.5259



23.3528, 0.1238, 0.1833



23.3528, 0.3405, 0.2044

Rectangle

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



23.3528, 0.5345, 0.4138



23.3528, 0.3939, 0.5469



23.3528, 0.1238, 0.1833



23.3528, 0.1984, 0.1619

Sweetspot

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



23.3541, 0.5345, 0.4138



74.9572, 0.3683, 0.3703



13.7343, 0.5045, 0.2553



15.3937, 0.3778, 0.3763



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.



23.3541, 0.5345, 0.4138



38.2325, 0.5363, 0.4124



55.5623, 0.4164, 0.5076



12.1709, 0.3277, 0.3412



14.8830, 0.5324, 0.4154



0.9192, 0.5045, 0.4376

Inverse Universe

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



12.9175, 0.1746, 0.1486



20.9632, 0.1740, 0.1464



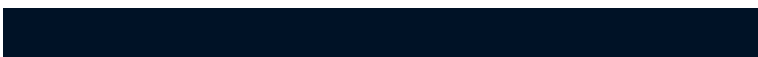
4.3829, 0.1505, 0.0603



11.7094, 0.2983, 0.3165



8.3119, 0.1753, 0.1511



0.5804, 0.1855, 0.1878

Previews

White Background



This preview shows how the Yxy color 23.3528, 0.5345, 0.4138 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 23.3528, 0.5345, 0.4138 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 23.3528, 0.5345, 0.4138

Background



This preview shows how black text looks on a background with the Yxy color 23.3528, 0.5345, 0.4138.



This preview shows how white text looks on a background with the Yxy color 23.3528, 0.5345, 0.4138.

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

23.3528, 0.5345, 0.4138

Protanopia

23.5747, 0.4350, 0.4837

Deuteranopia

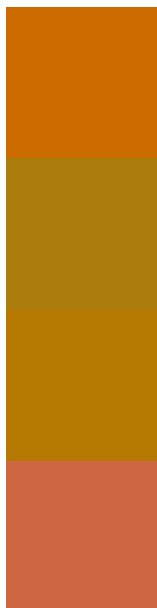
23.5036, 0.4698, 0.4652



Tritanopia

23.2297, 0.4529, 0.3208

Trichromacy



Original Color

23.3528, 0.5345, 0.4138

Protanomaly

22.9855, 0.4738, 0.4567

Deuteranomaly

23.2567, 0.4941, 0.4459

Tritanomaly

23.0298, 0.5006, 0.3693

Monochromacy



Original Color

23.3528, 0.5345, 0.4138

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.2937, 0.4081, 0.3939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3528, 0.5345, 0.4138 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(204, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 107, 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(204, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.3528, 0.5345, 0.4138 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(204, 107, 0) }
```

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

```
.border{ border-color:rgb(204, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 107,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3528, 0.5345, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 107, 0) }
```

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

```
.background{ background-color: rgb(204,  
107, 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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