

Converting Colors

$Y_{xy}(22.9832, 0.5636, 0.4280)$

Have a look what the booklet for
Yxy(22.9832, 0.5636, 0.4280)
contains.

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Color

Yxy(23.1660, 0.5411, 0.4086)

Conversions

Conversions Part 1

Format	Color
Hex	CF6800
RGB	207, 104, 0
RGB Percent	81%, 41%, 0%
CMY	0.1883, 0.5921, 1.0000
CMYK	0.00, 0.50, 1.00, 0.19
HSL	30°, 100%, 41%
HSV	30°, 100%, 81%
XYZ	30.6782, 23.1660, 2.8518
YIQ	122.9410, 94.7720, -10.5080

Conversions

Conversions Part 2

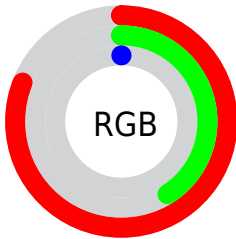
Format	Color
R_{YB}	205, 207, 0
Decimal	13592576
CIE _{Lab}	55.24, 35.90, 63.44
CIE _{LCh}	55, 72.890, 60.496
Yxy	23.1660, 0.5411, 0.4086
Android (android.graphics.Color)	4291782656 (0xFFCF6800)
YUV	122.9410, -60.6099, 73.7197
Hunter-Lab	48.1311, 29.5446, 30.1788

Details

The Yxy color **23.1660, 0.5411, 0.4086** 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 **14.1967, 0.1766, 0.1556**, and the grayscale version is **19.9692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7556, 0.4888, 0.4123**, and **8.6581, 0.5740, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **23.1675, 0.5411, 0.4086**, and if you desaturate by 10%, it is **25.4219, 0.5210, 0.4150**.

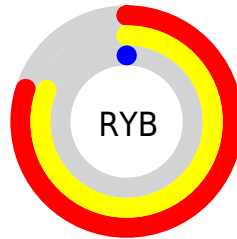
Distribution



Red (81%)

Green (41%)

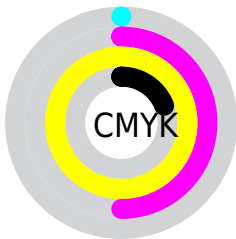
Blue (0%)



Red (80%)

Yellow (81%)

Blue (0%)

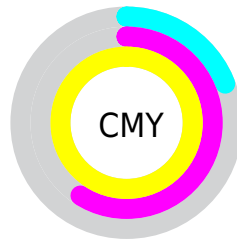


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1660, 0.5411, 0.4086 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 23.1660, 0.5411, 0.4086 by changing the saturation by 10% instead.


 23.1660, 0.5411,
0.4086


 23.1660, 0.5411,
0.4086


268.5765, 0.4242,
0.3837


 14.7161, 0.5658,
0.4061


 48.6658, 0.5008,
0.4054


 8.6204, 0.5989,
0.4011


 66.4844, 0.4847,
0.4023


 4.4944, 0.6227,
0.3773

 88.1948, 0.4709,
0.3989

 1.9538, 0.6588,
0.3412

 114.1813, 0.4589,
0.3956

 0.5804, 0.7307,
0.2693

 144.8284, 0.4485,
0.3923


 0.0000, 1.0000,
0.0000


 180.5203, 0.4394,


 0.0000, 0.0000,


0.3893


0.0000

 221.6415, 0.4313,
0.3864


 23.1660, 0.5411,
0.4086


 23.1660, 0.5411,
0.4086


 23.1675, 0.5411,
0.4086

 25.4219, 0.5210,
0.4150

 27.9949, 0.4974,
0.4167

 30.9140, 0.4710,
0.4130

 34.1975, 0.4435,
0.4052

 37.8616, 0.4166,
0.3943

■ 41.9213, 0.3912,
0.3816

■ 46.3906, 0.3680,
0.3681

■ 51.2825, 0.3472,
0.3546

■ 56.6095, 0.3288,
0.3415

Harmonies

Analogous

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



23.1660, 0.5477, 0.3297



23.1660, 0.5411, 0.4086



23.1660, 0.4681, 0.4956

Triad

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



23.1660, 0.5411, 0.4086



23.1660, 0.1668, 0.3957



23.1660, 0.2193, 0.1641

Complementary

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



23.1660, 0.5411, 0.4086



14.1967, 0.1766, 0.1556

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.



23.1660, 0.1503, 0.1572



23.1660, 0.5411, 0.4086



23.1660, 0.1234, 0.2579

Square

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



23.1660, 0.5411, 0.4086



23.1660, 0.2551, 0.5374



23.1660, 0.1201, 0.1834



23.1660, 0.3326, 0.1992

Rectangle

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



23.1660, 0.5411, 0.4086



23.1660, 0.4008, 0.5470



23.1660, 0.1201, 0.1834



23.1660, 0.1914, 0.1585

Sweetspot

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



23.1675, 0.5411, 0.4086



74.0923, 0.3688, 0.3686



14.2518, 0.4975, 0.2515



15.1892, 0.3784, 0.3744



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.



23.1675, 0.5411, 0.4086



36.7384, 0.5428, 0.4072



57.8791, 0.4193, 0.5053



12.7759, 0.3278, 0.3407



14.7890, 0.5390, 0.4103



0.9856, 0.5112, 0.4323

Inverse Universe

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



14.1967, 0.1766, 0.1556



22.3592, 0.1760, 0.1536



4.5041, 0.1500, 0.0600



12.3752, 0.2982, 0.3170



9.1354, 0.1773, 0.1581



0.6695, 0.1865, 0.1915

Previews

White Background



This preview shows how the Yxy color 23.1660, 0.5411, 0.4086 looks on a white background.

Color Contrast Check

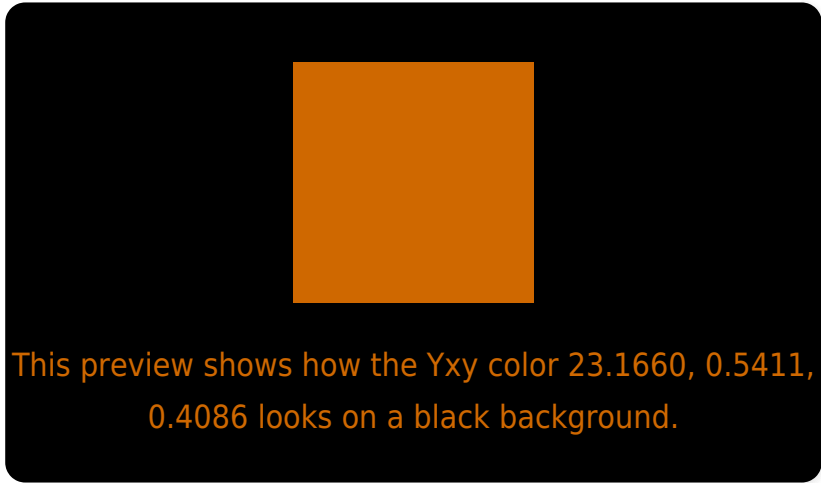
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 23.1660, 0.5411, 0.4086

Background



This preview shows how black text looks on a background with the Yxy color 23.1660, 0.5411, 0.4086.



This preview shows how white text looks on a background with the Yxy color 23.1660, 0.5411, 0.4086.

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

23.1660, 0.5411, 0.4086

Protanopia

23.3028, 0.4360, 0.4821

Deuteranopia

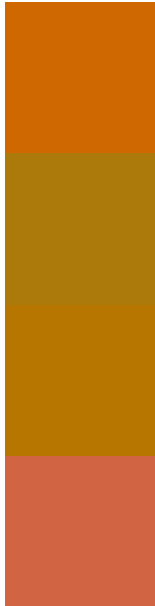
23.2465, 0.4713, 0.4640



Tritanopia

23.2303, 0.4619, 0.3222

Trichromacy



Original Color

23.1660, 0.5411, 0.4086

Protanomaly

22.6012, 0.4778, 0.4535

Deuteranomaly

22.9020, 0.4981, 0.4427

Tritanomaly

23.0630, 0.5067, 0.3671

Monochromacy



Original Color

23.1660, 0.5411, 0.4086

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.9109, 0.4123, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1660, 0.5411, 0.4086 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 104, 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(207, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 104, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.1660, 0.5411, 0.4086 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, 0) }
```

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

```
.border{ border-color:rgb(207, 104, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 104,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1660, 0.5411, 0.4086 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, 0) }
```

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

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