

Converting Colors

$Yxy(23.1005, 0.5499, 0.4016)$

Have a look what the booklet for
Yxy(23.1005, 0.5499, 0.4016)
contains.

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Color

Yxy(23.1114, 0.5504, 0.4012)

Conversions

Conversions Part 1

Format	Color
Hex	D46400
RGB	212, 100, 0
RGB Percent	83%, 39%, 0%
CMY	0.1687, 0.6078, 1.0000
CMYK	0.00, 0.53, 1.00, 0.17
HSL	28°, 100%, 42%
HSV	28°, 100%, 83%
XYZ	31.7062, 23.1114, 2.7881
YIQ	122.0880, 98.8520, -7.3560

Conversions

Conversions Part 2

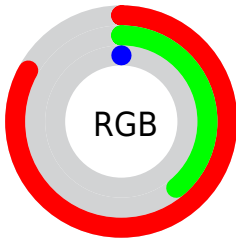
Format	Color
RYB	212, 189, 0
Decimal	13919232
CIELab	55.19, 39.93, 63.79
CIElCh	55, 75.252, 57.955
Yxy	23.1114, 0.5504, 0.4012
Android (android.graphics.Color)	4292109312 (0xFFD46400)
YUV	122.0880, -60.1894, 78.8528
Hunter-Lab	48.0743, 33.5950, 30.2134

Details

The Yxy color **23.1114, 0.5504, 0.4012** 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 **16.3355, 0.1794, 0.1658**, and the grayscale version is **19.6705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4241, 0.4927, 0.4085**, and **8.6807, 0.5867, 0.3724** is the 20% darker color. If you saturate the color by 10%, you get **23.1128, 0.5504, 0.4012**, and if you desaturate by 10%, it is **25.4658, 0.5291, 0.4084**.

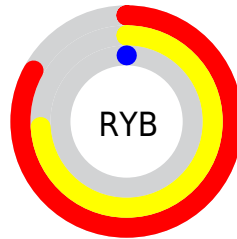
Distribution



Red (83%)

Green (39%)

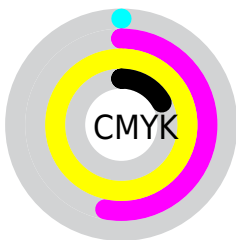
Blue (0%)



Red (83%)

Yellow (74%)

Blue (0%)

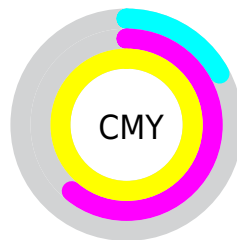


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1114, 0.5504, 0.4012 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 23.1114, 0.5504, 0.4012 by changing the saturation by 10% instead.


 23.1114, 0.5504,
0.4012


 23.1114, 0.5504,
0.4012


268.2967, 0.4287,
0.3814


 14.6758, 0.5762,
0.3971


 48.5762, 0.5084,
0.4001


 8.5922, 0.6102,
0.3898


 66.3741, 0.4917,
0.3978


 4.4761, 0.6359,
0.3641

 88.0617, 0.4773,
0.3950

 1.9433, 0.6747,
0.3253

 114.0232, 0.4648,
0.3921

 0.5742, 0.7496,
0.2504

 144.6430, 0.4539,
0.3892


 0.0000, 1.0000,
0.0000


 180.3056, 0.4444,


 0.0000, 0.0000,


0.3864


0.0000


 221.3954, 0.4361,
0.3838


 23.1114, 0.5504,
0.4012


 23.1114, 0.5504,
0.4012


 23.1128, 0.5504,
0.4012

 25.4658, 0.5291,
0.4084

 28.1856, 0.5040,
0.4108

 31.3030, 0.4760,
0.4079

 34.8394, 0.4471,
0.4007

 38.8137, 0.4190,
0.3905

■ 43.2435, 0.3926,
0.3786

■ 48.1451, 0.3688,
0.3659

■ 53.5338, 0.3475,
0.3531

■ 59.4242, 0.3289,
0.3407

Harmonies

Analogous

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



23.1114, 0.5511, 0.3220



23.1114, 0.5504, 0.4012



23.1114, 0.4785, 0.4905

Triad

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



23.1114, 0.5504, 0.4012



23.1114, 0.1684, 0.4119



23.1114, 0.2089, 0.1586

Complementary

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



23.1114, 0.5504, 0.4012



16.3355, 0.1794, 0.1658

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.



23.1114, 0.1426, 0.1540



23.1114, 0.5504, 0.4012



23.1114, 0.1209, 0.2645

Square

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



23.1114, 0.5504, 0.4012



23.1114, 0.2615, 0.5535



23.1114, 0.1149, 0.1836



23.1114, 0.3215, 0.1920

Rectangle

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



23.1114, 0.5504, 0.4012



23.1114, 0.4104, 0.5466



23.1114, 0.1149, 0.1836



23.1114, 0.1818, 0.1537

Sweetspot

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



23.1128, 0.5504, 0.4012



72.8880, 0.3695, 0.3663



15.1891, 0.4836, 0.2438



14.9050, 0.3794, 0.3718



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.



23.1128, 0.5504, 0.4012



34.7671, 0.5520, 0.3999



57.6213, 0.4253, 0.5005



13.3773, 0.3279, 0.3400



14.4676, 0.5481, 0.4030



1.0376, 0.5201, 0.4252

Inverse Universe

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



16.3355, 0.1794, 0.1658



24.4621, 0.1789, 0.1641



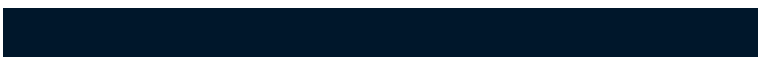
4.9063, 0.1505, 0.0617



13.0836, 0.2982, 0.3177



10.2881, 0.1801, 0.1682



0.7857, 0.1884, 0.1982

Previews

White Background



This preview shows how the Yxy color 23.1114, 0.5504, 0.4012 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 23.1114, 0.5504, 0.4012 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 23.1114, 0.5504, 0.4012

Background



This preview shows how black text looks on a background with the Yxy color 23.1114, 0.5504, 0.4012.



This preview shows how white text looks on a background with the Yxy color 23.1114, 0.5504, 0.4012.

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

23.1114, 0.5504, 0.4012

Protanopia

23.3061, 0.4357, 0.4816

Deuteranopia

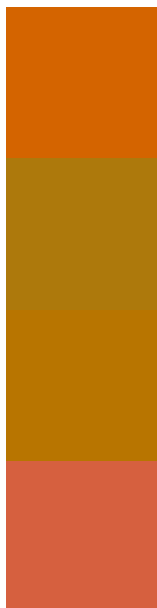
23.2465, 0.4713, 0.4640



Tritanopia

23.1766, 0.4759, 0.3226

Trichromacy



Original Color

23.1114, 0.5504, 0.4012

Protanomaly

22.5855, 0.4812, 0.4503

Deuteranomaly

22.9129, 0.5016, 0.4399

Tritanomaly

23.0208, 0.5188, 0.3640

Monochromacy



Original Color

23.1114, 0.5504, 0.4012

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5532, 0.4154, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1114, 0.5504, 0.4012 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(212, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 100, 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(212, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.1114, 0.5504, 0.4012 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(212, 100, 0) }
```

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

```
.border{ border-color:rgb(212, 100, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 100,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1114, 0.5504, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 100, 0) }
```

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

```
.background{ background-color: rgb(212,  
100, 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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