

Converting Colors

$Y_{xy}(22.2323, 0.5645, 0.3900)$

Have a look what the booklet for
Yxy(22.2323, 0.5645, 0.3900)
contains.

Yxy(22.2532, 0.5640, 0.3904)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.2532, 0.5640, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	D85C00
RGB	216, 92, 0
RGB Percent	85%, 36%, 0%
CMY	0.1529, 0.6392, 1.0000
CMYK	0.00, 0.57, 1.00, 0.15
HSL	26°, 100%, 42%
HSV	26°, 100%, 85%
XYZ	32.1486, 22.2532, 2.5992
YIQ	118.5880, 103.4360, -2.3240

Conversions

Conversions Part 2

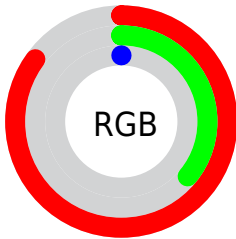
Format	Color
RYB	216, 160, 0
Decimal	14179328
CIELab	54.29, 45.38, 63.61
CIElCh	54, 78.138, 54.496
Yxy	22.2532, 0.5640, 0.3904
Android (android.graphics.Color)	4292369408 (0xFFD85C00)
YUV	118.5880, -58.4639, 85.4303
Hunter-Lab	47.1733, 39.0944, 29.7544

Details

The Yxy color **22.2532, 0.5640, 0.3904** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **19.3774, 0.1838, 0.1817**, and the grayscale version is **18.4748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8810, 0.5011, 0.4014**, and **8.2233, 0.6042, 0.3584** is the 20% darker color. If you saturate the color by 10%, you get **22.2546, 0.5640, 0.3904**, and if you desaturate by 10%, it is **24.6383, 0.5411, 0.3985**.

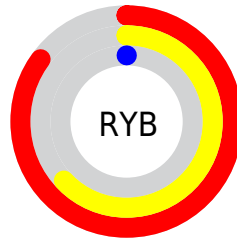
Distribution



Red (85%)

Green (36%)

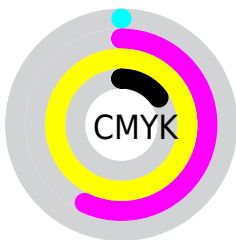
Blue (0%)



Red (85%)

Yellow (63%)

Blue (0%)

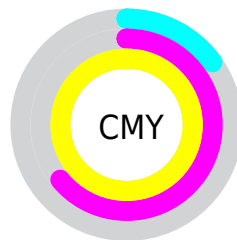


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2532, 0.5640, 0.3904 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 22.2532, 0.5640, 0.3904 by changing the saturation by 10% instead.


 22.2532, 0.5640,
0.3904


 22.2532, 0.5640,
0.3904


263.8657, 0.4346,
0.3778


 14.0431, 0.5916,
0.3840


 47.1641, 0.5192,
0.3924


 8.1506, 0.6270,
0.3730


 64.6337, 0.5014,
0.3910


 4.1915, 0.6560,
0.3440

 85.9586, 0.4861,
0.3890

 1.7812, 0.6993,
0.3007

 111.5231, 0.4729,
0.3868

 0.4754, 0.7895,
0.2105

 141.7117, 0.4613,
0.3845

 0.0000, 1.0000,
0.0000


 176.9087, 0.4513,


 0.0000, 0.0000,


0.3821

0.0000

 217.4986, 0.4424,
0.3799

 22.2532, 0.5640,
0.3904


 22.2532, 0.5640,
0.3904

 22.2546, 0.5640,
0.3904

 24.6383, 0.5411,
0.3985

 27.4527, 0.5139,
0.4019

 30.7338, 0.4835,
0.4000

 34.5073, 0.4524,
0.3939

 38.7963, 0.4224,
0.3848

■ 43.6222, 0.3947,
0.3740

■ 49.0050, 0.3699,
0.3625

■ 54.9633, 0.3480,
0.3508

■ 61.5151, 0.3291,
0.3396

Harmonies

Analogous

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



22.2532, 0.5561, 0.3108



22.2532, 0.5640, 0.3904



22.2532, 0.4934, 0.4824

Triad

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



22.2532, 0.5640, 0.3904



22.2532, 0.1705, 0.4368



22.2532, 0.1942, 0.1506

Complementary

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



22.2532, 0.5640, 0.3904



19.3774, 0.1838, 0.1817

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.



22.2532, 0.1316, 0.1493



22.2532, 0.5640, 0.3904



22.2532, 0.1170, 0.2745

Square

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



22.2532, 0.5640, 0.3904



22.2532, 0.2701, 0.5763



22.2532, 0.1073, 0.1837



22.2532, 0.3055, 0.1815

Rectangle

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



22.2532, 0.5640, 0.3904



22.2532, 0.4238, 0.5447



22.2532, 0.1073, 0.1837



22.2532, 0.1683, 0.1468

Sweetspot

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



22.2546, 0.5640, 0.3904



71.1231, 0.3705, 0.3628



16.1073, 0.4627, 0.2322



14.4898, 0.3808, 0.3677



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.



22.2546, 0.5640, 0.3904



32.1125, 0.5655, 0.3892



54.9939, 0.4349, 0.4929



13.2816, 0.3280, 0.3390



13.3751, 0.5613, 0.3925



0.9689, 0.5310, 0.4166

Inverse Universe

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



19.3774, 0.1838, 0.1817



27.9007, 0.1834, 0.1803



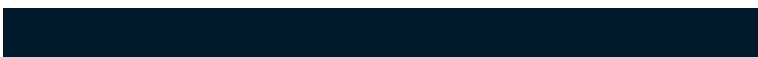
5.3911, 0.1513, 0.0647



13.1806, 0.2982, 0.3188



11.6862, 0.1845, 0.1841



0.8675, 0.1921, 0.2116

Previews

White Background



This preview shows how the Yxy color 22.2532, 0.5640, 0.3904 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 22.2532, 0.5640, 0.3904 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 22.2532, 0.5640, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 22.2532, 0.5640, 0.3904.



This preview shows how white text looks on a background with the Yxy color 22.2532, 0.5640, 0.3904.

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

22.2532, 0.5640, 0.3904

Protanopia

22.4898, 0.4338, 0.4810

Deuteranopia

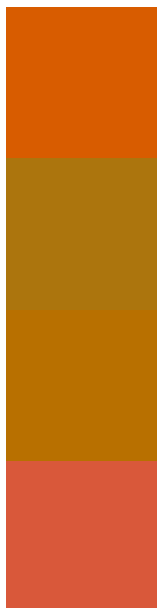
22.4146, 0.4708, 0.4644



Tritanopia

22.3163, 0.4957, 0.3241

Trichromacy



Original Color

22.2532, 0.5640, 0.3904

Protanomaly

21.5223, 0.4858, 0.4459

Deuteranomaly

21.7787, 0.5092, 0.4339

Tritanomaly

22.0366, 0.5351, 0.3587

Monochromacy



Original Color

22.2532, 0.5640, 0.3904

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.3291, 0.4210, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2532, 0.5640, 0.3904 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(216, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 92, 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(216, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 92, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.2532, 0.5640, 0.3904 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(216, 92, 0) }
```

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

```
.border{ border-color:rgb(216, 92, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 92, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 92, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.2532, 0.5640, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 92, 0) }
```

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

```
.background{ background-color: rgb(216, 92,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor