

Converting Colors

$Y_{xy}(22.9683, 0.5417, 0.4081)$

Have a look what the booklet for
Yxy(22.9683, 0.5417, 0.4081)
contains.

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Color

Yxy(22.9659, 0.5425, 0.4074)

Conversions

Conversions Part 1

Format	Color
Hex	CF6700
RGB	207, 103, 0
RGB Percent	81%, 40%, 0%
CMY	0.1883, 0.5960, 0.9995
CMYK	0.00, 0.50, 1.00, 0.19
HSL	30°, 100%, 41%
HSV	30°, 100%, 81%
XYZ	30.5817, 22.9659, 2.8242
YIQ	122.3540, 95.0470, -9.9850

Conversions

Conversions Part 2

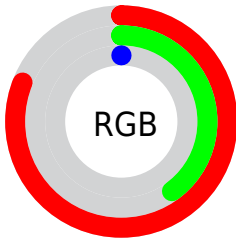
Format	Color
R_{YB}	207, 205, 0
Decimal	13592320
CIE _{Lab}	55.04, 36.42, 63.27
CIE _{LCh}	55, 73.010, 60.073
Yxy	22.9659, 0.5425, 0.4074
Android (android.graphics.Color)	4291782400 (0xFFCF6700)
YUV	122.3540, -60.3205, 74.2345
Hunter-Lab	47.9228, 30.0444, 30.0518

Details

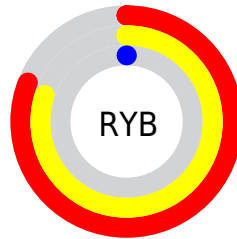
The Yxy color **22.9659, 0.5425, 0.4074** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.4266, 0.1771, 0.1575**, and the grayscale version is **19.7677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4186, 0.4898, 0.4113**, and **8.5659, 0.5759, 0.3809** is the 20% darker color. If you saturate the color by 10%, you get **22.9551, 0.5426, 0.4074**, and if you desaturate by 10%, it is **25.2208, 0.5222, 0.4139**.

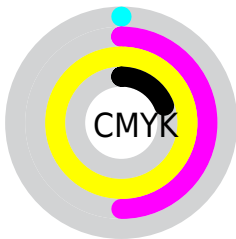
Distribution



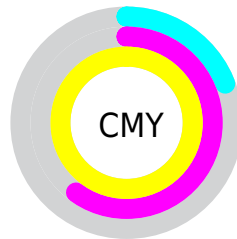
- Red (81%)
- Green (40%)
- Blue (0%)



- Red (81%)
- Yellow (80%)
- Blue (0%)



- Cyan (0%)
- Magenta (50%)
- Yellow (100%)
- Black (19%)





- Cyan (19%)
- Magenta (60%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9659, 0.5425, 0.4074 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 22.9659, 0.5425, 0.4074 by changing the saturation by 10% instead.


 22.9659, 0.5425,
0.4074


 22.9659, 0.5425,
0.4074


267.5498, 0.4247,
0.3833

 14.5683, 0.5674,
0.4046


 48.3373, 0.5018,
0.4045


 8.5170, 0.6008,
0.3992


 66.0800, 0.4856,
0.4015


 4.4275, 0.6250,
0.3750

 87.7064, 0.4717,
0.3982

 1.9155, 0.6619,
0.3381

 113.6011, 0.4596,
0.3949

 0.5576, 0.7368,
0.2632

 144.1484, 0.4491,
0.3917


 0.0000, 1.0000,
0.0000


 179.7327, 0.4399,


 0.0000, 0.0000,


0.3887


0.0000


 220.7383, 0.4318,
0.3859

 22.9659, 0.5425,
0.4074

 22.9659, 0.5425,
0.4074

 22.9551, 0.5426,
0.4074

 25.2208, 0.5222,
0.4139

 27.7980, 0.4983,
0.4157

 30.7265, 0.4716,
0.4121

 34.0247, 0.4440,
0.4044

 37.7093, 0.4168,
0.3936

■ 41.7954, 0.3913,
0.3810

■ 46.2972, 0.3680,
0.3677

■ 51.2280, 0.3471,
0.3543

■ 56.6003, 0.3287,
0.3413

Harmonies

Analogous

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



22.9659, 0.5481, 0.3285



22.9659, 0.5425, 0.4074



22.9659, 0.4698, 0.4947

Triad

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



22.9659, 0.5425, 0.4074



22.9659, 0.1672, 0.3982



22.9659, 0.2177, 0.1632

Complementary

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



22.9659, 0.5425, 0.4074



14.4266, 0.1771, 0.1575

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.



22.9659, 0.1491, 0.1568



22.9659, 0.5425, 0.4074



22.9659, 0.1231, 0.2591

Square

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



22.9659, 0.5425, 0.4074



22.9659, 0.2562, 0.5399



22.9659, 0.1193, 0.1835



22.9659, 0.3308, 0.1981

Rectangle

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



22.9659, 0.5425, 0.4074



22.9659, 0.4023, 0.5469



22.9659, 0.1193, 0.1835



22.9659, 0.1899, 0.1578

Sweetspot

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



22.9672, 0.5425, 0.4074



73.8875, 0.3689, 0.3682



14.3287, 0.4903, 0.2475



15.1408, 0.3786, 0.3740



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.



22.9672, 0.5425, 0.4074



36.3940, 0.5444, 0.4059



56.2349, 0.4223, 0.5029



12.7656, 0.3278, 0.3406



14.6528, 0.5405, 0.4091



0.9780, 0.5124, 0.4313

Inverse Universe

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



14.4266, 0.1771, 0.1575



22.7036, 0.1765, 0.1554



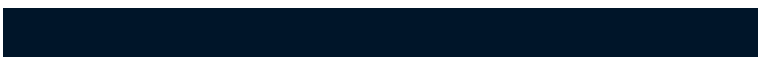
4.5829, 0.1503, 0.0609



12.3856, 0.2982, 0.3171



9.2717, 0.1777, 0.1598



0.6771, 0.1869, 0.1930

Previews

White Background



This preview shows how the Yxy color 22.9659, 0.5425, 0.4074 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 22.9659, 0.5425, 0.4074 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 22.9659, 0.5425, 0.4074

Background



This preview shows how black text looks on a background with the Yxy color 22.9659, 0.5425, 0.4074.



This preview shows how white text looks on a background with the Yxy color 22.9659, 0.5425, 0.4074.

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

22.9659, 0.5425, 0.4074

Protanopia

23.2083, 0.4348, 0.4830

Deuteranopia

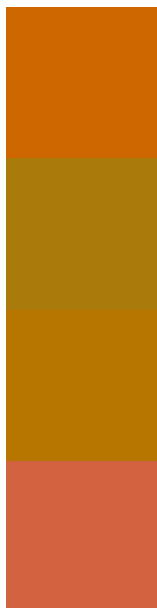
23.1372, 0.4701, 0.4649



Tritanopia

23.0267, 0.4641, 0.3223

Trichromacy



Original Color

22.9659, 0.5425, 0.4074

Protanomaly

22.4893, 0.4767, 0.4543

Deuteranomaly

22.9020, 0.4981, 0.4427

Tritanomaly

22.8606, 0.5089, 0.3669

Monochromacy



Original Color

22.9659, 0.5425, 0.4074

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5838, 0.4118, 0.3907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9659, 0.5425, 0.4074 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, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 103, 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, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.9659, 0.5425, 0.4074 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, 103, 0) }
```

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

```
.border{ border-color:rgb(207, 103, 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, 103, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 103,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9659, 0.5425, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 103, 0) }
```

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

```
.background{ background-color: rgb(207,  
103, 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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