

# Converting Colors

$Yxy(21.6856, 0.5466, 0.4042)$

Have a look what the booklet for  
Yxy(21.6856, 0.5466, 0.4042)  
contains.

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**Color**

**Yxy(21.7610, 0.5460, 0.4047)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC6300
RGB	204, 99, 0
RGB Percent	80%, 39%, 0%
CMY	0.2001, 0.6117, 1.0000
CMYK	0.00, 0.51, 1.00, 0.20
HSL	29°, 100%, 40%
HSV	29°, 100%, 80%
XYZ	29.3588, 21.7610, 2.6509
YIQ	119.1090, 94.3590, -8.5290

# Conversions

## Conversions Part 2

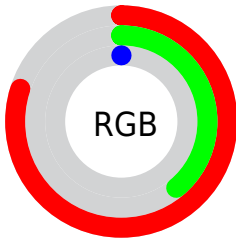
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 192, 0
Decimal	13394688
CIE <sub>Lab</sub>	53.77, 37.25, 62.33
CIE <sub>LCh</sub>	54, 72.612, 59.140
Yxy	21.7610, 0.5460, 0.4047
Android (android.graphics.Color)	4291584768 (0xFFCC6300)
YUV	119.1090, -58.7207, 74.4494
Hunter-Lab	46.6487, 30.7055, 29.2848

# Details

The Yxy color **21.7610, 0.5460, 0.4047** 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 **14.4521, 0.1782, 0.1616**, and the grayscale version is **18.6536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7634, 0.4952, 0.4071**, and **7.9474, 0.5810, 0.3768** is the 20% darker color. If you saturate the color by 10%, you get **21.7623, 0.5460, 0.4047**, and if you desaturate by 10%, it is **23.9345, 0.5251, 0.4114**.

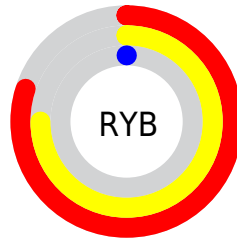
# Distribution



Red (80%)

Green (39%)

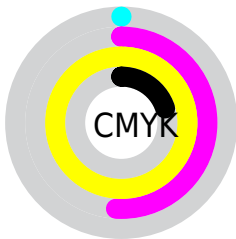
Blue (0%)



Red (80%)

Yellow (75%)

Blue (0%)

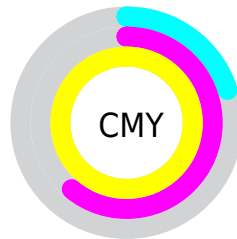


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (61%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7610, 0.5460, 0.4047 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 21.7610, 0.5460, 0.4047 by changing the saturation by 10% instead.




 21.7610, 0.5460,  
0.4047


 21.7610, 0.5460,  
0.4047


261.2956, 0.4253,  
0.3820

 13.6814, 0.5718,  
0.4012

 46.3507, 0.5041,  
0.4025

 7.8994, 0.6057,  
0.3943


 63.6295, 0.4874,  
0.3997


 4.0306, 0.6316,  
0.3684

 84.7436, 0.4732,  
0.3966

 1.6907, 0.6712,  
0.3288

 110.0772, 0.4608,  
0.3934

 0.4176, 0.7698,  
0.2302

 140.0148, 0.4501,  
0.3903

 0.0000, 1.0000,  
0.0000


 174.9408, 0.4408,


 0.0000, 0.0000,

0.3874

0.0000


 215.2396, 0.4326,  
0.3846


 21.7610, 0.5460,  
0.4047


 21.7610, 0.5460,  
0.4047


 21.7623, 0.5460,  
0.4047

 23.9345, 0.5251,  
0.4114

 26.4292, 0.5007,  
0.4134

 29.2744, 0.4734,  
0.4101

 32.4884, 0.4452,  
0.4026

 36.0878, 0.4177,  
0.3921

■ 40.0880, 0.3918,  
0.3799

■ 44.5030, 0.3683,  
0.3668

■ 49.3463, 0.3473,  
0.3537

■ 54.6304, 0.3288,  
0.3410

# Harmonies

## Analogous

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



21.7610, 0.5495, 0.3256



21.7610, 0.5460, 0.4047



21.7610, 0.4736, 0.4929

# Triad

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



21.7610, 0.5460, 0.4047



21.7610, 0.1677, 0.4041



21.7610, 0.2138, 0.1612

# Complementary

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



21.7610, 0.5460, 0.4047



14.4521, 0.1782, 0.1616

# 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.



21.7610, 0.1462, 0.1555



21.7610, 0.5460, 0.4047



21.7610, 0.1221, 0.2614

# Square

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



21.7610, 0.5460, 0.4047



21.7610, 0.2585, 0.5459



21.7610, 0.1173, 0.1835



21.7610, 0.3268, 0.1954



# Rectangle

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



21.7610, 0.5460, 0.4047



21.7610, 0.4059, 0.5469



21.7610, 0.1173, 0.1835



21.7610, 0.1864, 0.1560

# Sweetspot

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



21.7623, 0.5460, 0.4047



73.4210, 0.3692, 0.3673



13.8620, 0.4902, 0.2474



15.0307, 0.3790, 0.3729



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.



21.7623, 0.5460, 0.4047



35.6237, 0.5479, 0.4031



54.4106, 0.4223, 0.5029



12.0976, 0.3278, 0.3403



13.8858, 0.5438, 0.4065



0.8681, 0.5132, 0.4307



# Inverse Universe

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



14.4521, 0.1782, 0.1616



23.5080, 0.1776, 0.1594



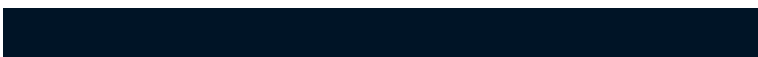
4.4323, 0.1503, 0.0609



11.7826, 0.2983, 0.3175



9.2858, 0.1789, 0.1640

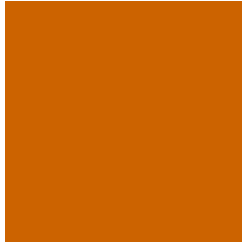


0.6307, 0.1885, 0.1987



# Previews

## White Background



This preview shows how the Yxy color 21.7610, 0.5460, 0.4047 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 21.7610, 0.5460, 0.4047 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 21.7610, 0.5460, 0.4047**

## **Background**



This preview shows how black text looks on a background with the Yxy color 21.7610, 0.5460, 0.4047.



This preview shows how white text looks on a background with the Yxy color 21.7610, 0.5460, 0.4047.

# 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

21.7610, 0.5460, 0.4047

### Protanopia

21.8552, 0.4363, 0.4812

### Deuteranopia

21.9524, 0.4700, 0.4650



## Tritanopia

21.8015, 0.4695, 0.3222

# Trichromacy



## Original Color

21.7610, 0.5460, 0.4047

## Protanomaly

21.1965, 0.4793, 0.4520

## Deuteranomaly

21.4996, 0.5001, 0.4411

## Tritanomaly

21.6540, 0.5137, 0.3658

# Monochromacy



## Original Color

21.7610, 0.5460, 0.4047

## Achromatopsia

18.4475, 0.3127, 0.3290

## Achromatomaly

18.5942, 0.4128, 0.3901

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 21.7610, 0.5460, 0.4047 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, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 99, 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, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 99, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 21.7610, 0.5460, 0.4047 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, 99, 0) }
```

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

```
.border{ border-color:rgb(204, 99, 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, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 99, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 21.7610, 0.5460, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 99, 0) }
```

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

```
.background{ background-color: rgb(204, 99,  
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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