

Converting Colors

$Yxy(25.5454, 0.5420, 0.4078)$

Have a look what the booklet for
Yxy(25.5454, 0.5420, 0.4078)
contains.

Yxy(25.6890, 0.5416, 0.4082)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.6890, 0.5416, 0.4082)

Conversions

Conversions Part 1

Format	Color
Hex	D96D00
RGB	217, 109, 0
RGB Percent	85%, 43%, 0%
CMY	0.1490, 0.5725, 1.0000
CMYK	0.00, 0.50, 1.00, 0.15
HSL	30°, 100%, 43%
HSV	30°, 100%, 85%
XYZ	34.0842, 25.6890, 3.1592
YIQ	128.8660, 99.3570, -11.0030

Conversions

Conversions Part 2

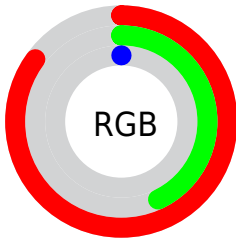
Format	Color
R_{YB}	215, 217, 0
Decimal	14249216
CIE _{Lab}	57.74, 37.38, 65.68
CIE _{LCh}	58, 75.575, 60.355
Yxy	25.6890, 0.5416, 0.4082
Android (android.graphics.Color)	4292439296 (0xFFD96D00)
YUV	128.8660, -63.5309, 77.2935
Hunter-Lab	50.6843, 31.3401, 31.7834

Details

The Yxy color **25.6890, 0.5416, 0.4082** 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 **15.7343, 0.1765, 0.1552**, and the grayscale version is **22.1055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5059, 0.4829, 0.4158**, and **10.0965, 0.5727, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **25.6906, 0.5416, 0.4082**, and if you desaturate by 10%, it is **28.1951, 0.5216, 0.4149**.

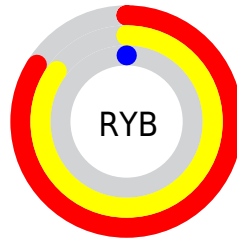
Distribution



Red (85%)

Green (43%)

Blue (0%)



Red (84%)

Yellow (85%)

Blue (0%)

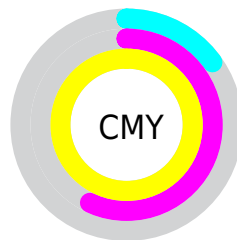


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6890, 0.5416, 0.4082 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 25.6890, 0.5416, 0.4082 by changing the saturation by 10% instead.

 25.6890, 0.5416,
0.4082


 25.6890, 0.5416,
0.4082


281.2520, 0.4265,
0.3844


 16.5911, 0.5655,
0.4058


 52.7728, 0.5024,
0.4053

 9.9434, 0.5982,
0.4018


 71.5275, 0.4866,
0.4024

 5.3614, 0.6205,
0.3795

 94.2700, 0.4730,
0.3992

 2.4609, 0.6537,
0.3463

 121.3845, 0.4611,
0.3959

 0.8569, 0.7076,
0.2924

 153.2556, 0.4508,
0.3928

 0.0000, 1.0000,
0.0000


 190.2677, 0.4417,

 0.0000, 0.0000,

0.3898


0.0000

 232.8050, 0.4337,
0.3870

 25.6890, 0.5416,
0.4082


 25.6890, 0.5416,
0.4082


 25.6906, 0.5416,
0.4082

 28.1951, 0.5216,
0.4149

 31.0562, 0.4980,
0.4166

 34.3043, 0.4716,
0.4131

 37.9599, 0.4441,
0.4053

 42.0413, 0.4170,
0.3944

■ 46.5655, 0.3915,
0.3817

■ 51.5481, 0.3682,
0.3682

■ 57.0037, 0.3473,
0.3547

■ 62.9462, 0.3289,
0.3415

Harmonies

Analogous

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



25.6890, 0.5479, 0.3293



25.6890, 0.5416, 0.4082



25.6890, 0.4687, 0.4953

Triad

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



25.6890, 0.5416, 0.4082



25.6890, 0.1669, 0.3965



25.6890, 0.2188, 0.1638

Complementary

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



25.6890, 0.5416, 0.4082



15.7343, 0.1765, 0.1552

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.



25.6890, 0.1499, 0.1570



25.6890, 0.5416, 0.4082



25.6890, 0.1233, 0.2583

Square

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



25.6890, 0.5416, 0.4082



25.6890, 0.2555, 0.5383



25.6890, 0.1198, 0.1834



25.6890, 0.3320, 0.1988

Rectangle

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



25.6890, 0.5416, 0.4082



25.6890, 0.4013, 0.5470



25.6890, 0.1198, 0.1834



25.6890, 0.1909, 0.1583

Sweetspot

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



25.6906, 0.5416, 0.4082



74.0830, 0.3688, 0.3686



15.8455, 0.4982, 0.2518



15.1870, 0.3785, 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.



25.6906, 0.5416, 0.4082



36.7226, 0.5429, 0.4071



64.3790, 0.4193, 0.5053



14.1270, 0.3279, 0.3408



15.7630, 0.5394, 0.4099



1.1936, 0.5146, 0.4296

Inverse Universe

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



15.7343, 0.1765, 0.1552



22.3747, 0.1760, 0.1537



5.0099, 0.1500, 0.0600



13.6824, 0.2982, 0.3170



9.7357, 0.1772, 0.1578



0.8031, 0.1854, 0.1874

Previews

White Background



This preview shows how the Yxy color 25.6890, 0.5416, 0.4082 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 25.6890, 0.5416, 0.4082 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 25.6890, 0.5416, 0.4082

Background



This preview shows how black text looks on a background with the Yxy color 25.6890, 0.5416, 0.4082.



This preview shows how white text looks on a background with the Yxy color 25.6890, 0.5416, 0.4082.

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

25.6890, 0.5416, 0.4082

Protanopia

25.9713, 0.4352, 0.4830

Deuteranopia

25.7326, 0.4715, 0.4638



Tritanopia

25.6057, 0.4629, 0.3214

Trichromacy



Original Color

25.6890, 0.5416, 0.4082

Protanomaly

25.3108, 0.4763, 0.4548

Deuteranomaly

25.4917, 0.4982, 0.4426

Tritanomaly

25.3904, 0.5085, 0.3664

Monochromacy



Original Color

25.6890, 0.5416, 0.4082

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.1053, 0.4116, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6890, 0.5416, 0.4082 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(217, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 109, 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(217, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 109, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.6890, 0.5416, 0.4082 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(217, 109, 0) }
```

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

```
.border{ border-color:rgb(217, 109, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 109, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 109,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6890, 0.5416, 0.4082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 109, 0) }
```

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

```
.background{ background-color: rgb(217,  
109, 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