

Converting Colors

$Y_{xy}(24.6782, 0.5568, 0.4210)$

Have a look what the booklet for
Yxy(24.6782, 0.5568, 0.4210)
contains.

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Color

Yxy(24.8115, 0.5421, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	D66B00
RGB	214, 107, 0
RGB Percent	84%, 42%, 0%
CMY	0.1608, 0.5804, 0.9993
CMYK	0.00, 0.50, 1.00, 0.16
HSL	30°, 100%, 42%
HSV	30°, 100%, 84%
XYZ	32.9907, 24.8115, 3.0550
YIQ	126.7950, 98.1190, -10.5930

Conversions

Conversions Part 2

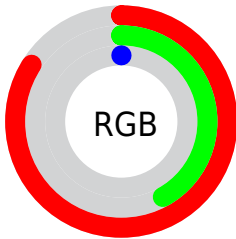
Format	Color
R _Y B	214, 214, 0
Decimal	14052096
CIE Lab	56.89, 37.20, 64.90
CIE LCh	57, 74.807, 60.178
Yxy	24.8115, 0.5421, 0.4077
Android (android.graphics.Color)	4292242176 (0xFFD66B00)
YUV	126.7950, -62.5099, 76.4788
Hunter-Lab	49.8111, 31.0539, 31.2314

Details

The Yxy color **24.8115, 0.5421, 0.4077** 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 **15.4075, 0.1768, 0.1564**, and the grayscale version is **21.3502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7950, 0.4854, 0.4145**, and **9.6017, 0.5740, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **24.7946, 0.5422, 0.4076**, and if you desaturate by 10%, it is **27.2418, 0.5220, 0.4143**.

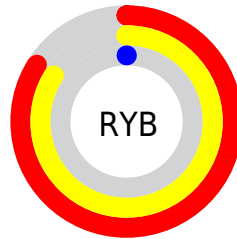
Distribution



Red (84%)

Green (42%)

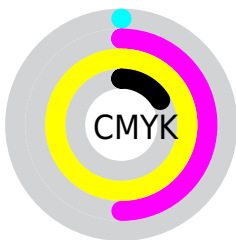
Blue (0%)



Red (84%)

Yellow (84%)

Blue (0%)

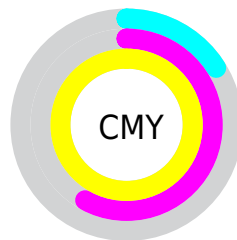


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8115, 0.5421, 0.4077 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 24.8115, 0.5421, 0.4077 by changing the saturation by 10% instead.


 24.8115, 0.5421,
0.4077


 24.8115, 0.5421,
0.4077


276.8979, 0.4260,
0.3839


 15.9367, 0.5663,
0.4051


 51.3513, 0.5024,
0.4049

 9.4794, 0.5993,
0.4007


 69.7850, 0.4865,
0.4019

 5.0551, 0.6223,
0.3777

 92.1738, 0.4727,
0.3987

 2.2797, 0.6566,
0.3434

 118.9021, 0.4608,
0.3955

 0.7629, 0.7143,
0.2857

 150.3542, 0.4504,
0.3923

 0.0000, 1.0000,
0.0000


 186.9147, 0.4412,


 0.0000, 0.0000,

0.3893

0.0000


 228.9677, 0.4332,
0.3865


 24.8115, 0.5421,
0.4077


 24.8115, 0.5421,
0.4077


 24.7946, 0.5422,
0.4076

 27.2418, 0.5220,
0.4143

 30.0189, 0.4982,
0.4161

 33.1734, 0.4716,
0.4126

 36.7255, 0.4440,
0.4048

 40.6929, 0.4169,
0.3939

■ 45.0921, 0.3913,
0.3813

■ 49.9384, 0.3680,
0.3679

■ 55.2459, 0.3471,
0.3544

■ 61.0283, 0.3287,
0.3413

Harmonies

Analogous

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



24.8115, 0.5480, 0.3288



24.8115, 0.5421, 0.4077



24.8115, 0.4694, 0.4949

Triad

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



24.8115, 0.5421, 0.4077



24.8115, 0.1671, 0.3976



24.8115, 0.2181, 0.1635

Complementary

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



24.8115, 0.5421, 0.4077



15.4075, 0.1768, 0.1564

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.



24.8115, 0.1495, 0.1569



24.8115, 0.5421, 0.4077



24.8115, 0.1232, 0.2588

Square

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



24.8115, 0.5421, 0.4077



24.8115, 0.2560, 0.5392



24.8115, 0.1195, 0.1836



24.8115, 0.3313, 0.1984

Rectangle

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



24.8115, 0.5421, 0.4077



24.8115, 0.4020, 0.5469



24.8115, 0.1195, 0.1836



24.8115, 0.1903, 0.1580

Sweetspot

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



24.8129, 0.5421, 0.4077



73.9758, 0.3689, 0.3684



15.4403, 0.4907, 0.2477



15.1617, 0.3785, 0.3742



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.



24.8129, 0.5421, 0.4077



36.5421, 0.5437, 0.4065



60.6071, 0.4223, 0.5029



13.4356, 0.3279, 0.3407



15.1945, 0.5400, 0.4094



1.0820, 0.5136, 0.4304

Inverse Universe

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



15.4075, 0.1768, 0.1564



22.5544, 0.1763, 0.1546



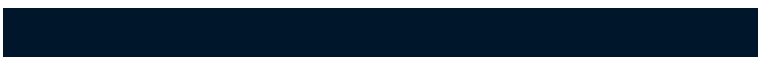
4.9374, 0.1503, 0.0609



13.0252, 0.2982, 0.3171



9.5094, 0.1775, 0.1589



0.7391, 0.1862, 0.1902

Previews

White Background



This preview shows how the Yxy color 24.8115, 0.5421, 0.4077 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 24.8115, 0.5421, 0.4077 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 24.8115, 0.5421, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 24.8115, 0.5421, 0.4077.



This preview shows how white text looks on a background with the Yxy color 24.8115, 0.5421, 0.4077.

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

24.8115, 0.5421, 0.4077

Protanopia

24.9069, 0.4366, 0.4816

Deuteranopia

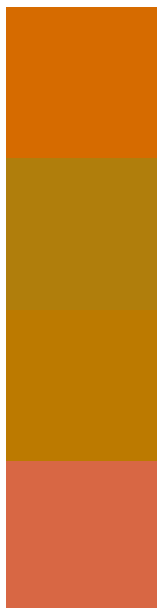
24.8495, 0.4710, 0.4642



Tritanopia

24.9067, 0.4632, 0.3225

Trichromacy



Original Color

24.8115, 0.5421, 0.4077

Protanomaly

24.1784, 0.4773, 0.4538

Deuteranomaly

24.6104, 0.4982, 0.4426

Tritanomaly

24.7168, 0.5079, 0.3669

Monochromacy



Original Color

24.8115, 0.5421, 0.4077

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3980, 0.4119, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8115, 0.5421, 0.4077 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(214, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 107, 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(214, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.8115, 0.5421, 0.4077 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(214, 107, 0) }
```

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

```
.border{ border-color:rgb(214, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 107,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8115, 0.5421, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 107, 0) }
```

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

```
.background{ background-color: rgb(214,  
107, 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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