

# Converting Colors

$Y_{xy}(27.4574, 0.5126, 0.4220)$

Have a look what the booklet for  
Yxy(27.4574, 0.5126, 0.4220)  
contains.

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# Color

**Yxy(27.5285, 0.5123, 0.4223)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D17A15
RGB	209, 122, 21
RGB Percent	82%, 48%, 8%
CMY	0.1803, 0.5216, 0.9176
CMYK	0.00, 0.42, 0.90, 0.18
HSL	32°, 82%, 45%
HSV	32°, 90%, 82%
XYZ	33.3953, 27.5285, 4.2632
YIQ	136.4990, 84.2730, -12.9670

# Conversions

## Conversions Part 2

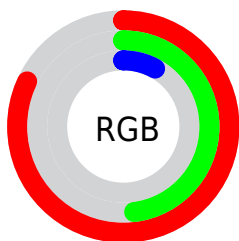
Format	Color
<a href="#">RYB</a>	<a href="#">183, 209, 21</a>
Decimal	<a href="#">13728277</a>
CIELab	<a href="#">59.46, 27.56, 62.19</a>
CIELCh	<a href="#">59, 68.023, 66.100</a>
Yxy	<a href="#">27.5285, 0.5123, 0.4223</a>
Android (android.graphics.Color)	<a href="#">4291918357</a> (0xFFD17A15)
YUV	<a href="#">136.4990, -56.9410, 63.5834</a>
Hunter-Lab	<a href="#">52.4676, 21.7959, 31.9097</a>

# Details

The Yxy color **27.5285, 0.5123, 0.4223** 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 **15.5001, 0.1807, 0.1630**, and the grayscale version is **25.0132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4700, 0.4647, 0.4208**, and **10.9306, 0.5421, 0.4078** is the 20% darker color. If you saturate the color by 10%, you get **25.2170, 0.5309, 0.4166**, and if you desaturate by 10%, it is **30.1379, 0.4904, 0.4232**.

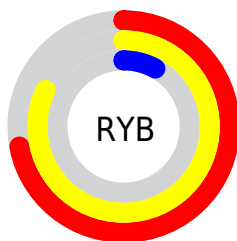
# Distribution



Red (82%)

Green (48%)

Blue (8%)



Red (72%)

Yellow (82%)

Blue (8%)

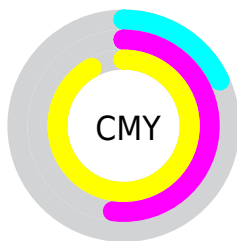


Cyan (0%)

Magenta (42%)

Yellow (90%)

Black (18%)



Cyan (18%)

Magenta (52%)

Yellow (92%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5285, 0.5123, 0.4223 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 27.5285, 0.5123, 0.4223 by changing the saturation by 10% instead.





 27.5285, 0.5123,  
0.4223


 27.5285, 0.5123,  
0.4223


 290.2070, 0.4119,  
0.3867


 17.9705, 0.5336,  
0.4245


 55.7308, 0.4777,  
0.4138


 10.9288, 0.5597,  
0.4245


 75.1439, 0.4640,  
0.4091


 6.0190, 0.5852,  
0.4148


 98.6108, 0.4521,  
0.4047

 2.8566, 0.6098,  
0.3902

 126.5160, 0.4418,  
0.4005

 1.0574, 0.6505,  
0.3495

 159.2438, 0.4329,  
0.3966

 0.0000, 1.0000,  
0.0000

 197.1787, 0.4250,

 0.0000, 0.0000,

0.3930

0.0000

240.7049, 0.4180,  
0.3897

27.5285, 0.5123,  
0.4223

27.5285, 0.5123,  
0.4223

25.2170, 0.5309,  
0.4166

30.1379, 0.4904,  
0.4232


25.2056, 0.5310,  
0.4166

33.0671, 0.4657,  
0.4188

36.3344, 0.4398,  
0.4102


39.9549, 0.4141,  
0.3985

43.9426, 0.3897,  
0.3850

 48.3101, 0.3672,  
0.3707

 53.0695, 0.3468,  
0.3562

 58.2322, 0.3286,  
0.3422

 63.8088, 0.3126,  
0.3289

# Harmonies

## Analogous

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



27.5285, 0.5274, 0.3473



27.5285, 0.5123, 0.4223



27.5285, 0.4423, 0.4978

# Triad

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



27.5285, 0.5123, 0.4223



27.5285, 0.1716, 0.3633



27.5285, 0.2458, 0.1825

# Complementary

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



27.5285, 0.5123, 0.4223



15.5001, 0.1807, 0.1630

# 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.



27.5285, 0.1739, 0.1713



27.5285, 0.5123, 0.4223



27.5285, 0.1370, 0.2511

# Square

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



27.5285, 0.5123, 0.4223



27.5285, 0.2470, 0.4912



27.5285, 0.1390, 0.1907



27.5285, 0.3535, 0.2201



# Rectangle

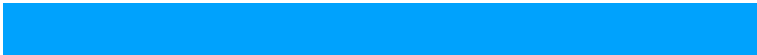
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.5285, 0.5123, 0.4223



27.5285, 0.3797, 0.5336



27.5285, 0.1390, 0.1907



27.5285, 0.2174, 0.1757

# Sweetspot

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



27.5300, 0.5123, 0.4223



77.6549, 0.3616, 0.3668



15.1949, 0.4862, 0.2520



16.0885, 0.3689, 0.3718



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.



27.5300, 0.5123, 0.4223



39.1378, 0.5325, 0.4154



58.3314, 0.4120, 0.5059



12.8448, 0.3277, 0.3415



15.7359, 0.5289, 0.4182



1.0378, 0.5035, 0.4384



# Inverse Universe

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



15.5001, 0.1807, 0.1630



20.1881, 0.1729, 0.1422



5.3784, 0.1562, 0.0686



12.3068, 0.2982, 0.3162



8.2745, 0.1741, 0.1468

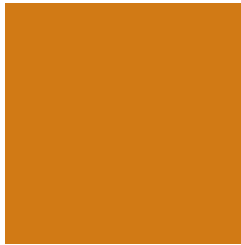


0.6207, 0.1838, 0.1818



# Previews

## White Background



This preview shows how the Yxy color 27.5285, 0.5123, 0.4223 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 27.5285, 0.5123, 0.4223 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 27.5285, 0.5123, 0.4223**

## Background



This preview shows how black text looks on a background with the Yxy color 27.5285, 0.5123, 0.4223.



This preview shows how white text looks on a background with the Yxy color 27.5285, 0.5123, 0.4223.

# 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

27.5285, 0.5123, 0.4223

### Protanopia

27.7070, 0.4334, 0.4790

### Deuteranopia

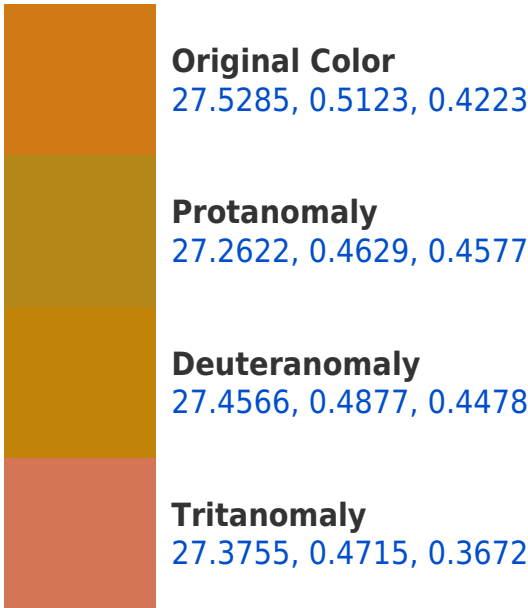
27.5534, 0.4723, 0.4632



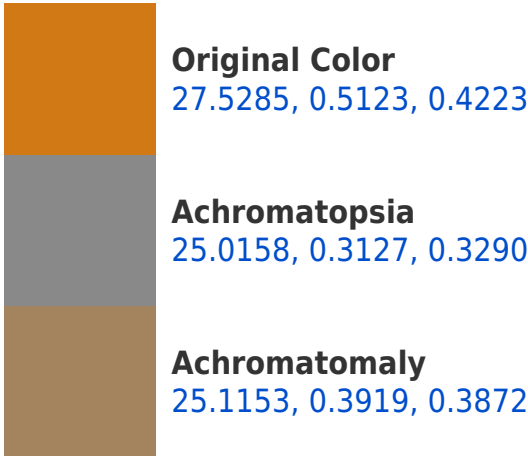
## Tritanopia

27.5859, 0.4282, 0.3195

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.5285, 0.5123, 0.4223 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(209, 122, 21)` looks like.

```
.text, #text, p{  
    color:rgb(209, 122, 21)  
}
```

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(209, 122, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 122, 21) }
```

## Border

The CSS property to change the border of an element to Yxy 27.5285, 0.5123, 0.4223 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(209, 122, 21) }
```

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

```
.border{ border-color:rgb(209, 122, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 122, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 122, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 122, 21);  
box-shadow:4px 4px 4px 4px rgb(209, 122,  
21) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.5285, 0.5123, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 122, 21) }
```

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

```
.background{ background-color: rgb(209,  
122, 21) }
```

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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