

# Converting Colors

$Y_{xy}(27.2565, 0.4848, 0.4533)$

Have a look what the booklet for  
Yxy(27.2565, 0.4848, 0.4533)  
contains.

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**Color**

**Yxy(27.3213, 0.4849, 0.4532)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD8400
RGB	189, 132, 0
RGB Percent	74%, 52%, 0%
CMY	0.2589, 0.4823, 1.0000
CMYK	0.00, 0.30, 1.00, 0.26
HSL	42°, 100%, 37%
HSV	42°, 100%, 74%
XYZ	29.2323, 27.3213, 3.7317
YIQ	133.9950, 76.3440, -28.9680

# Conversions

## Conversions Part 2

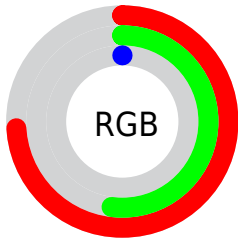
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	82, 189, 0
Decimal	12420096
CIE Lab	59.27, 13.06, 64.81
CIE LCh	59, 66.115, 78.606
Yxy	27.3213, 0.4849, 0.4532
Android (android.graphics.Color)	4290610176 (0xFFBD8400)
YUV	133.9950, -66.0595, 48.2394
Hunter-Lab	52.2698, 8.3556, 32.3560

# Details

The Yxy color **27.3213, 0.4849, 0.4532** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **6.5946, 0.1611, 0.0998**, and the grayscale version is **24.0655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4641, 0.4565, 0.4374**, and **10.9323, 0.4981, 0.4427** is the 20% darker color. If you saturate the color by 10%, you get **27.3228, 0.4849, 0.4532**, and if you desaturate by 10%, it is **28.9568, 0.4731, 0.4545**.

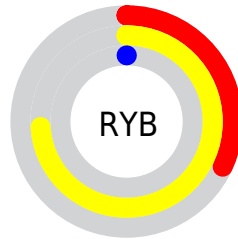
# Distribution



Red (74%)

Green (52%)

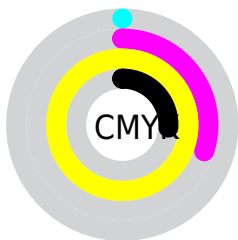
Blue (0%)



Red (32%)

Yellow (74%)

Blue (0%)

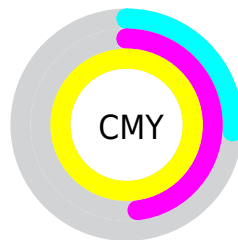


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (48%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3213, 0.4849, 0.4532 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 27.3213, 0.4849, 0.4532 by changing the saturation by 10% instead.





 27.3213, 0.4849,  
0.4532


 27.3213, 0.4849,  
0.4532


289.2094, 0.4006,  
0.3991


 17.8147, 0.5014,  
0.4604


 55.3990, 0.4568,  
0.4375

 10.8170, 0.5227,  
0.4685


 74.7389, 0.4453,  
0.4302

 5.9439, 0.5358,  
0.4642

 98.1253, 0.4352,  
0.4236

 2.8110, 0.5490,  
0.4510

 125.9427, 0.4265,  
0.4176

 1.0339, 0.5717,  
0.4283

 158.5754, 0.4187,  
0.4122

 0.0000, 1.0000,  
0.0000


 196.4078, 0.4120,


 0.0000, 0.0000,

0.4074


0.0000


 239.8244, 0.4059,  
0.4030

 27.3213, 0.4849,  
0.4532

 27.3213, 0.4849,  
0.4532


 27.3228, 0.4849,  
0.4532

 28.9568, 0.4731,  
0.4545

 30.7219, 0.4587,  
0.4516

 32.6356, 0.4417,  
0.4439

 34.7075, 0.4227,  
0.4320

 36.9458, 0.4028,  
0.4171

■ 39.3580, 0.3828,  
0.4001

■ 41.9506, 0.3634,  
0.3822

■ 44.7299, 0.3451,  
0.3640

■ 47.7017, 0.3282,  
0.3461

# Harmonies

## Analogous

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



27.3213, 0.5250, 0.3780



27.3213, 0.4849, 0.4532



27.3213, 0.4030, 0.5188

# Triad

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



27.3213, 0.4849, 0.4532



27.3213, 0.1555, 0.3115



27.3213, 0.2879, 0.1977

# Complementary

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



27.3213, 0.4849, 0.4532



6.5946, 0.1611, 0.0998

# 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.



27.3213, 0.2015, 0.1755



27.3213, 0.4849, 0.4532



27.3213, 0.1371, 0.2227

# Square

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



27.3213, 0.4849, 0.4532



27.3213, 0.2137, 0.4388



27.3213, 0.1525, 0.1815



27.3213, 0.4010, 0.2443



# Rectangle

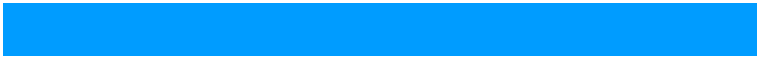
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.3213, 0.4849, 0.4532



27.3213, 0.3381, 0.5349



27.3213, 0.1525, 0.1815



27.3213, 0.2550, 0.1874

# Sweetspot

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



27.3228, 0.4849, 0.4532



74.9276, 0.3643, 0.3830



11.1398, 0.5707, 0.2917



15.6846, 0.3724, 0.3907



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.3228, 0.4849, 0.4532



48.5100, 0.4862, 0.4522



43.2854, 0.3872, 0.5307



10.6218, 0.3271, 0.3450



18.5286, 0.4838, 0.4540



0.8354, 0.4650, 0.4690



# Inverse Universe

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



6.5946, 0.1611, 0.0998



11.4486, 0.1603, 0.0972



4.0241, 0.1584, 0.0646



9.6816, 0.2984, 0.3125



4.5574, 0.1617, 0.1020

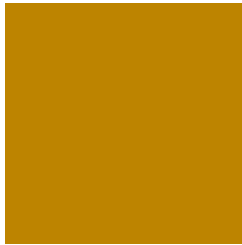


0.2970, 0.1757, 0.1525



# Previews

## White Background



This preview shows how the Yxy color 27.3213, 0.4849, 0.4532 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 27.3213, 0.4849, 0.4532 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 27.3213, 0.4849, 0.4532**

## Background



This preview shows how black text looks on a background with the Yxy color 27.3213, 0.4849, 0.4532.



This preview shows how white text looks on a background with the Yxy color 27.3213, 0.4849, 0.4532.

# 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

27.3213, 0.4849, 0.4532

### Protanopia

27.5501, 0.4367, 0.4863

### Deuteranopia

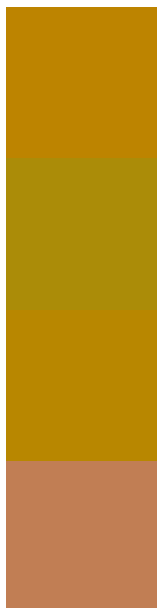
27.4321, 0.4713, 0.4640



## Tritanopia

27.4340, 0.3901, 0.3170

# Trichromacy



## Original Color

27.3213, 0.4849, 0.4532

## Protanomaly

27.4316, 0.4536, 0.4747

## Deuteranomaly

27.5183, 0.4757, 0.4605

## Tritanomaly

26.8993, 0.4443, 0.3848

# Monochromacy



## Original Color

27.3213, 0.4849, 0.4532

## Achromatopsia

23.8398, 0.3127, 0.3290

## Achromatomaly

24.3010, 0.3911, 0.4070

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.3213, 0.4849, 0.4532 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(189, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 132, 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(189, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 132, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 27.3213, 0.4849, 0.4532 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(189, 132, 0) }
```

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

```
.border{ border-color:rgb(189, 132, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 132, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 132,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.3213, 0.4849, 0.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 132, 0) }
```

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

```
.background{ background-color: rgb(189,  
132, 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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