

# Converting Colors

$Yxy(44.3028, 0.4129, 0.4463)$

Have a look what the booklet for  
Yxy(44.3028, 0.4129, 0.4463)  
contains.

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# **Color**

**Yxy(44.3028, 0.4129, 0.4463)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8B150
RGB	200, 177, 80
RGB Percent	78%, 69%, 31%
CMY	0.2157, 0.3058, 0.6863
CMYK	0.00, 0.11, 0.60, 0.22
HSL	49°, 52%, 55%
HSV	49°, 60%, 78%
XYZ	40.9873, 44.3028, 13.9768
YIQ	172.8190, 44.8450, -25.2910

# Conversions

## Conversions Part 2

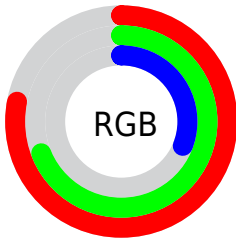
Format	Color
<a href="#">RYB</a>	<a href="#">108, 200, 80</a>
Decimal	<a href="#">13152592</a>
CIELab	<a href="#">72.43, -3.41, 51.58</a>
CIELCh	<a href="#">72, 51.690, 93.786</a>
Yxy	<a href="#">44.3028, 0.4129, 0.4463</a>
Android (android.graphics.Color)	<a href="#">4291342672</a> ( <a href="#">0xFFC8B150</a> )
YUV	<a href="#">172.8190, -45.7598, 23.8377</a>
Hunter-Lab	<a href="#">66.5603, -6.5619, 34.1421</a>

# Details

The Yxy color **44.3028, 0.4129, 0.4463** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **15.5682, 0.2046, 0.1714**, and the grayscale version is **41.9124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6667, 0.3936, 0.4272**, and **20.5860, 0.4339, 0.4737** is the 20% darker color. If you saturate the color by 10%, you get **42.5600, 0.4279, 0.4598**, and if you desaturate by 10%, it is **46.1802, 0.3963, 0.4296**.

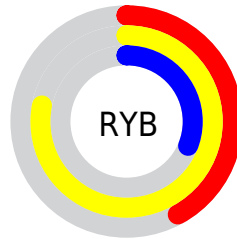
# Distribution



Red (78%)

Green (69%)

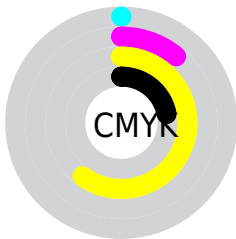
Blue (31%)



Red (42%)

Yellow (78%)

Blue (31%)

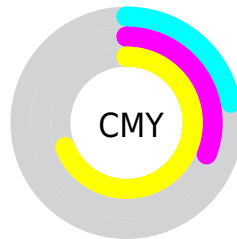


Cyan (0%)

Magenta (11%)

Yellow (60%)

Black (22%)



Cyan (22%)

Magenta (31%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3028, 0.4129, 0.4463 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 44.3028, 0.4129, 0.4463 by changing the saturation by 10% instead.





 44.3028, 0.4129,  
0.4463


 44.3028, 0.4129,  
0.4463


363.9425, 0.3655,  
0.3898

 30.9086, 0.4230,  
0.4588

 81.6732, 0.3968,  
0.4268


 20.5293, 0.4346,  
0.4735


 106.4182, 0.3904,  
0.4191

 12.7804, 0.4475,  
0.4905


 135.7156, 0.3848,  
0.4125

 7.2775, 0.4648,  
0.5138

 169.9498, 0.3800,  
0.4067

 3.6362, 0.4717,  
0.5283

 209.5052, 0.3757,  
0.4017

 1.4722, 0.4662,  
0.5338

254.7662, 0.3719,

 0.2691, 0.3905,

0.3972

0.6095

306.1172, 0.3685,  
0.3933

0.0000, 0.0000,  
0.0000

44.3028, 0.4129,  
0.4463

44.3028, 0.4129,  
0.4463

42.5600, 0.4279,  
0.4598

46.1802, 0.3963,  
0.4296

40.9372, 0.4406,  
0.4691

48.1933, 0.3789,  
0.4105

39.4265, 0.4506,  
0.4738

50.3510, 0.3614,  
0.3902

38.0102, 0.4580,  
0.4746

52.6593, 0.3443,  
0.3694

55.1241, 0.3280,  
0.3488

■ 57.7506, 0.3127,  
0.3290

■ 60.5439, 0.2987,  
0.3103

■ 63.5087, 0.2859,  
0.2928

■ 66.3249, 0.2771,  
0.2815

# Harmonies

## Analogous

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



44.3028, 0.4529, 0.4002



44.3028, 0.4129, 0.4463



44.3028, 0.3487, 0.4641

# Triad

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



44.3028, 0.4129, 0.4463



44.3028, 0.1901, 0.2864



44.3028, 0.3356, 0.2502

# Complementary

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



44.3028, 0.4129, 0.4463



15.5682, 0.2046, 0.1714

# 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.



44.3028, 0.2642, 0.2235



44.3028, 0.4129, 0.4463



44.3028, 0.1878, 0.2378

# Square

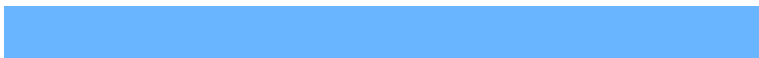
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.3028, 0.4129, 0.4463



44.3028, 0.2212, 0.3600



44.3028, 0.2129, 0.2181



44.3028, 0.4081, 0.2934



# Rectangle

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



44.3028, 0.4129, 0.4463



44.3028, 0.3013, 0.4488



44.3028, 0.2129, 0.2181



44.3028, 0.3104, 0.2392

# Sweetspot

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



44.3049, 0.4129, 0.4463



91.9077, 0.3414, 0.3657



19.0123, 0.4602, 0.2998



19.4106, 0.3463, 0.3719



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.



44.3049, 0.4129, 0.4463



72.8222, 0.4320, 0.4630



49.7747, 0.3653, 0.4861



12.0584, 0.3270, 0.3476



24.2956, 0.4573, 0.4751



1.2417, 0.4480, 0.4825



# Inverse Universe

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



15.5682, 0.2046, 0.1714



18.9988, 0.1826, 0.1340



13.6167, 0.2269, 0.1508



10.6108, 0.2983, 0.3097



3.6448, 0.1554, 0.0795

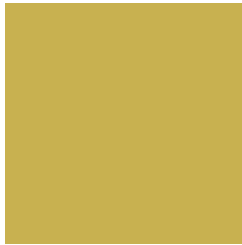


0.2740, 0.1659, 0.1171



# Previews

## White Background



This preview shows how the Yxy color 44.3028, 0.4129, 0.4463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

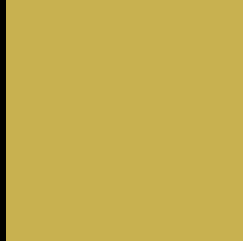
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.3028, 0.4129, 0.4463 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.3028, 0.4129, 0.4463**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.3028, 0.4129, 0.4463.

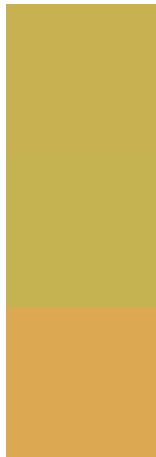


This preview shows how white text looks on a background with the Yxy color 44.3028, 0.4129, 0.4463.

# 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

44.3028, 0.4129, 0.4463

### Protanopia

44.2903, 0.4093, 0.4488

### Deuteranopia

44.2008, 0.4367, 0.4268



## Tritanopia

44.0824, 0.3415, 0.3131

# Trichromacy



## Original Color

44.3028, 0.4129, 0.4463

## Protanomaly

44.4257, 0.4102, 0.4483

## Deuteranomaly

44.2453, 0.4284, 0.4340

## Tritanomaly

43.8544, 0.3710, 0.3632

# Monochromacy



## Original Color

44.3028, 0.4129, 0.4463

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

42.2035, 0.3510, 0.3767

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3028, 0.4129, 0.4463 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(200, 177, 80)` looks like.

```
.text, #text, p{  
    color:rgb(200, 177, 80)  
}
```

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(200, 177, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 177, 80) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3028, 0.4129, 0.4463 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(200, 177, 80) }
```

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

```
.border{ border-color:rgb(200, 177, 80) }
```

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

Here you see how a box with a 4 pixel rgb(200, 177, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 177, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 177, 80);  
box-shadow:4px 4px 4px 4px rgb(200, 177,  
80) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3028, 0.4129, 0.4463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 177, 80) }
```

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

```
.background{ background-color: rgb(200,  
177, 80) }
```

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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