

# Converting Colors

$Yxy(45.2324, 0.4065, 0.4488)$

Have a look what the booklet for  
Yxy(45.2324, 0.4065, 0.4488)  
contains.

<b>Yxy(45.1220, 0.4065, 0.4488)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(45.1220, 0.4065, 0.4488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5B452
RGB	197, 180, 82
RGB Percent	77%, 71%, 32%
CMY	0.2275, 0.2941, 0.6782
CMYK	0.00, 0.09, 0.58, 0.23
HSL	51°, 50%, 55%
HSV	51°, 58%, 77%
XYZ	40.8692, 45.1220, 14.5480
YIQ	173.9110, 41.5900, -26.8740

# Conversions

## Conversions Part 2

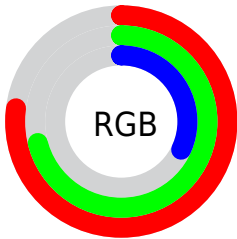
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 197, 82
Decimal	12956754
CIELab	72.97, -6.11, 51.15
CIELCh	73, 51.518, 96.813
Yxy	45.1220, 0.4065, 0.4488
Android (android.graphics.Color)	4291146834 (0xFFC5B452)
YUV	173.9110, -45.3121, 20.2491
Hunter-Lab	67.1729, -8.9500, 34.1803

# Details

The Yxy color **45.1220, 0.4065, 0.4488** 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 **14.7565, 0.2060, 0.1687**, and the grayscale version is **42.5033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0002, 0.3906, 0.4288**, and **21.1025, 0.4253, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **43.7031, 0.4204, 0.4634**, and if you desaturate by 10%, it is **46.6559, 0.3910, 0.4310**.

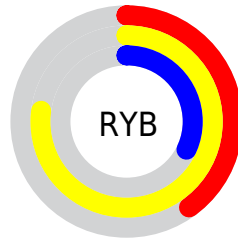
# Distribution



Red (77%)

Green (71%)

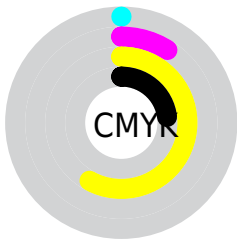
Blue (32%)



Red (40%)

Yellow (77%)

Blue (32%)

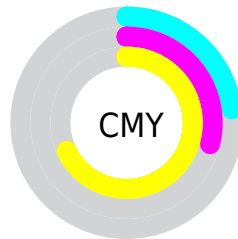


Cyan (0%)

Magenta (9%)

Yellow (58%)

Black (23%)



Cyan (23%)

Magenta (29%)


Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1220, 0.4065, 0.4488 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 45.1220, 0.4065, 0.4488 by changing the saturation by 10% instead.





 45.1220, 0.4065,  
0.4488

 45.1220, 0.4065,  
0.4488


367.2674, 0.3625,  
0.3906

 31.5535, 0.4158,  
0.4619


 82.9035, 0.3916,  
0.4285

 21.0207, 0.4264,  
0.4774


 107.8852, 0.3857,  
0.4206

 13.1391, 0.4380,  
0.4958


 137.4402, 0.3805,  
0.4138

 7.5244, 0.4525,  
0.5200

 171.9529, 0.3760,  
0.4079

 3.7922, 0.4596,  
0.5404

 211.8075, 0.3720,  
0.4028

 1.5580, 0.4498,  
0.5502

257.3885, 0.3685,

 0.3290, 0.3320,

0.3982

0.6680

309.0804, 0.3653,  
0.3942

0.0000, 0.0000,  
0.0000

45.1220, 0.4065,  
0.4488

45.1220, 0.4065,  
0.4488

43.7031, 0.4204,  
0.4634

46.6559, 0.3910,  
0.4310

42.3850, 0.4320,  
0.4741

48.3053, 0.3745,  
0.4109

41.1610, 0.4409,  
0.4802

50.0785, 0.3577,  
0.3895

40.0168, 0.4472,  
0.4822

51.9811, 0.3411,  
0.3678

39.8318, 0.4481,  
0.4824

54.0185, 0.3253,  
0.3463

■ 56.1954, 0.3103,  
0.3257

■ 58.5167, 0.2965,  
0.3061

■ 60.9866, 0.2838,  
0.2878

■ 63.3265, 0.2747,  
0.2753

# Harmonies

## Analogous

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



45.1220, 0.4493, 0.4050



45.1220, 0.4065, 0.4488



45.1220, 0.3414, 0.4620

# Triad

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



45.1220, 0.4065, 0.4488



45.1220, 0.1896, 0.2807



45.1220, 0.3431, 0.2546

# Complementary

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



45.1220, 0.4065, 0.4488



14.7565, 0.2060, 0.1687

# 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.



45.1220, 0.2711, 0.2261



45.1220, 0.4065, 0.4488



45.1220, 0.1901, 0.2354

# Square

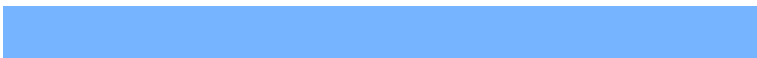
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.1220, 0.4065, 0.4488



45.1220, 0.2176, 0.3518



45.1220, 0.2177, 0.2184



45.1220, 0.4134, 0.2987



# Rectangle

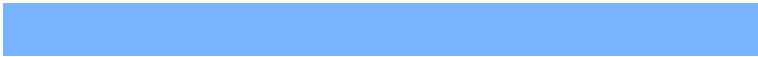
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.1220, 0.4065, 0.4488



45.1220, 0.2945, 0.4432



45.1220, 0.2177, 0.2184



45.1220, 0.3180, 0.2430

# Sweetspot

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



45.1241, 0.4065, 0.4488



93.1381, 0.3410, 0.3676



18.8175, 0.4630, 0.3078



19.7145, 0.3459, 0.3741



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.



45.1241, 0.4065, 0.4488



77.6232, 0.4238, 0.4668



47.6804, 0.3594, 0.4848



12.1396, 0.3269, 0.3485



26.2992, 0.4477, 0.4827



1.3200, 0.4409, 0.4881



# Inverse Universe

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



14.7565, 0.2060, 0.1687



18.4516, 0.1835, 0.1307



14.2312, 0.2356, 0.1584



10.5362, 0.2983, 0.3087



3.3093, 0.1536, 0.0731



0.2400, 0.1626, 0.1051



# Previews

## White Background



This preview shows how the Yxy color 45.1220, 0.4065, 0.4488 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 Xy color 45.1220, 0.4065, 0.4488 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 45.1220, 0.4065, 0.4488**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.1220, 0.4065, 0.4488.



This preview shows how white text looks on a background with the Yxy color 45.1220, 0.4065, 0.4488.

# 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

45.1220, 0.4065, 0.4488

### Protanopia

44.9915, 0.4092, 0.4469

### Deuteranopia

45.1538, 0.4339, 0.4257



## Tritanopia

44.8751, 0.3355, 0.3131

# Trichromacy



## Original Color

45.1220, 0.4065, 0.4488

## Protanomaly

44.8552, 0.4082, 0.4473

## Deuteranomaly

44.9092, 0.4239, 0.4337

## Tritanomaly

44.6590, 0.3643, 0.3635

# Monochromacy



## Original Color

45.1220, 0.4065, 0.4488

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

42.9188, 0.3478, 0.3767

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1220, 0.4065, 0.4488 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(197, 180, 82)` looks like.

```
.text, #text, p{  
    color:rgb(197, 180, 82)  
}
```

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(197, 180, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 180, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1220, 0.4065, 0.4488 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(197, 180, 82) }
```

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

```
.border{ border-color:rgb(197, 180, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 180, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 180, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 180, 82);  
box-shadow:4px 4px 4px 4px rgb(197, 180,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1220, 0.4065, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 180, 82) }
```

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

```
.background{ background-color: rgb(197,  
180, 82) }
```

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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