

Converting Colors

$Y_{xy}(45.8168, 0.4252, 0.4632)$

Have a look what the booklet for
Yxy(45.8168, 0.4252, 0.4632)
contains.

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Color

Yxy(45.8168, 0.4252, 0.4632)

Conversions

Conversions Part 1

Format	Color
Hex	CCB43D
RGB	204, 180, 61
RGB Percent	80%, 71%, 24%
CMY	0.2001, 0.2940, 0.7609
CMYK	0.00, 0.12, 0.70, 0.20
HSL	50°, 58%, 52%
HSV	50°, 70%, 80%
XYZ	42.0581, 45.8168, 11.0388
YIQ	173.6100, 52.5030, -31.9210

Conversions

Conversions Part 2

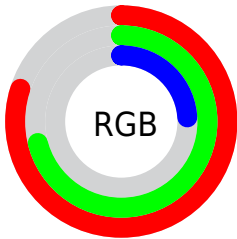
Format	Color
RYB	90, 204, 61
Decimal	13415485
CIELab	73.43, -4.45, 60.93
CIELCh	73, 61.088, 94.173
Yxy	45.8168, 0.4252, 0.4632
Android (android.graphics.Color)	4291605565 (0xFFCCB43D)
YUV	173.6100, -55.5167, 26.6520
Hunter-Lab	67.6881, -7.5430, 37.7125

Details

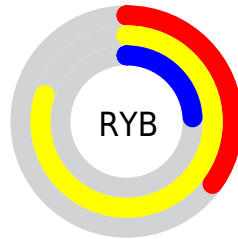
The Yxy color **45.8168, 0.4252, 0.4632** is a dark color, and the websafe version is hex **CCCC66**. The color can be described as middle muted orange. A complement of this color would be **11.8357, 0.1858, 0.1369**, and the grayscale version is **42.3853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4887, 0.4017, 0.4458**, and **21.5493, 0.4423, 0.4870** is the 20% darker color. If you saturate the color by 10%, you get **44.2769, 0.4370, 0.4728**, and if you desaturate by 10%, it is **47.4786, 0.4110, 0.4495**.

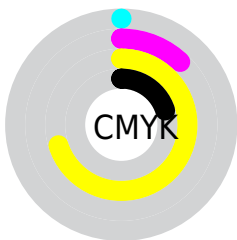
Distribution



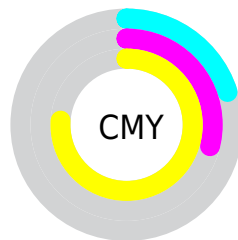
- Red (80%)
- Green (71%)
- Blue (24%)



- Red (35%)
- Yellow (80%)
- Blue (24%)



- Cyan (0%)
- Magenta (12%)
- Yellow (70%)
- Black (20%)




- Cyan (20%)
- Magenta (29%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8168, 0.4252, 0.4632 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 45.8168, 0.4252, 0.4632 by changing the saturation by 10% instead.


 45.8168, 0.4252,
0.4632


 45.8168, 0.4252,
0.4632

370.0716, 0.3740,
0.4003


 32.1013, 0.4352,
0.4762


 83.9448, 0.4085,
0.4421

 21.4389, 0.4460,
0.4908


 109.1260, 0.4016,
0.4336


 13.4452, 0.4568,
0.5065


 138.8979, 0.3955,
0.4262

 7.7358, 0.4715,
0.5285

 173.6449, 0.3901,
0.4197

 3.9264, 0.4675,
0.5325

 213.7514, 0.3854,
0.4140

 1.6325, 0.4606,
0.5394

259.6017, 0.3812,

 0.3793, 0.3992,

0.4089

0.6008

311.5804, 0.3774,
0.4044

0.0000, 0.0000,
0.0000

45.8168, 0.4252,
0.4632

45.8168, 0.4252,
0.4632

44.2769, 0.4370,
0.4728

47.4786, 0.4110,
0.4495

42.8420, 0.4461,
0.4778

49.2645, 0.3951,
0.4324

41.5085, 0.4526,
0.4789

51.1844, 0.3783,
0.4129

53.2451, 0.3611,
0.3921

55.4530, 0.3443,
0.3708

■ 57.8140, 0.3281,
0.3496

■ 60.3336, 0.3129,
0.3292

■ 63.0169, 0.2988,
0.3099

■ 65.8688, 0.2859,
0.2918

Harmonies

Analogous

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



45.8168, 0.4737, 0.4080



45.8168, 0.4252, 0.4632



45.8168, 0.3506, 0.4880

Triad

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



45.8168, 0.4252, 0.4632



45.8168, 0.1726, 0.2768



45.8168, 0.3398, 0.2396

Complementary

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



45.8168, 0.4252, 0.4632



11.8357, 0.1858, 0.1369

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.



45.8168, 0.2570, 0.2094



45.8168, 0.4252, 0.4632



45.8168, 0.1710, 0.2229

Square

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



45.8168, 0.4252, 0.4632



45.8168, 0.2060, 0.3632



45.8168, 0.1991, 0.2024



45.8168, 0.4250, 0.2879

Rectangle

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



45.8168, 0.4252, 0.4632



45.8168, 0.2964, 0.4711



45.8168, 0.1991, 0.2024



45.8168, 0.3103, 0.2272

Sweetspot

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



45.8190, 0.4252, 0.4632



91.4287, 0.3462, 0.3733



16.8595, 0.5054, 0.3012



19.3469, 0.3509, 0.3792



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.



45.8190, 0.4252, 0.4632



72.1466, 0.4419, 0.4758



50.8452, 0.3674, 0.5095



12.7644, 0.3270, 0.3481



26.2538, 0.4520, 0.4793



1.4415, 0.4446, 0.4852

Inverse Universe

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



11.8357, 0.1858, 0.1369



12.9498, 0.1654, 0.0992



10.7738, 0.2118, 0.1231



11.1426, 0.2982, 0.3091



3.5632, 0.1544, 0.0757



0.2806, 0.1634, 0.1083

Previews

White Background



This preview shows how the Yxy color 45.8168, 0.4252, 0.4632 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 45.8168, 0.4252, 0.4632 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 45.8168, 0.4252, 0.4632

Background



This preview shows how black text looks on a background with the Yxy color 45.8168, 0.4252, 0.4632.



This preview shows how white text looks on a background with the Yxy color 45.8168, 0.4252, 0.4632.

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

45.8168, 0.4252, 0.4632

Protanopia

45.9412, 0.4225, 0.4652

Deuteranopia

45.5035, 0.4509, 0.4408



Tritanopia

45.6376, 0.3439, 0.3134

Trichromacy



Original Color

45.8168, 0.4252, 0.4632

Protanomaly

46.0812, 0.4235, 0.4647

Deuteranomaly

45.3827, 0.4415, 0.4487

Tritanomaly

45.0128, 0.3795, 0.3726

Monochromacy



Original Color

45.8168, 0.4252, 0.4632

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.0584, 0.3575, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8168, 0.4252, 0.4632 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(204, 180, 61)` looks like.

```
.text, #text, p{  
    color:rgb(204, 180, 61)  
}
```

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(204, 180, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 180, 61) }
```

Border

The CSS property to change the border of an element to Yxy 45.8168, 0.4252, 0.4632 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(204, 180, 61) }
```

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

```
.border{ border-color:rgb(204, 180, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 180, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 180, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 180, 61);  
box-shadow:4px 4px 4px 4px rgb(204, 180,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8168, 0.4252, 0.4632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 180, 61) }
```

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

```
.background{ background-color: rgb(204,  
180, 61) }
```

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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