

Converting Colors

$Y_{xy}(45.4078, 0.4219, 0.4641)$

Have a look what the booklet for
Yxy(45.4078, 0.4219, 0.4641)
contains.

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Color

Yxy(45.4078, 0.4219, 0.4641)

Conversions

Conversions Part 1

Format	Color
Hex	C9B43E
RGB	201, 180, 62
RGB Percent	79%, 71%, 24%
CMY	0.2118, 0.2941, 0.7566
CMYK	0.00, 0.10, 0.69, 0.21
HSL	51°, 56%, 52%
HSV	51°, 69%, 79%
XYZ	41.2789, 45.4078, 11.1538
YIQ	172.8270, 50.3940, -32.2460

Conversions

Conversions Part 2

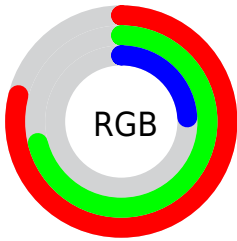
Format	Color
RYB	87, 201, 62
Decimal	13218878
CIELab	73.16, -5.66, 60.14
CIELCh	73, 60.409, 95.379
Yxy	45.4078, 0.4219, 0.4641
Android (android.graphics.Color)	4291408958 (0xFFC9B43E)
YUV	172.8270, -54.6377, 24.7077
Hunter-Lab	67.3853, -8.5787, 37.3559

Details

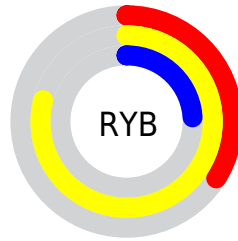
The Yxy color **45.4078, 0.4219, 0.4641** is a dark color, and the websafe version is hex **CCCC66**. The color can be described as middle muted orange. A complement of this color would be **11.4368, 0.1867, 0.1366**, and the grayscale version is **41.9647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5119, 0.4012, 0.4450**, and **21.2780, 0.4386, 0.4900** is the 20% darker color. If you saturate the color by 10%, you get **44.0155, 0.4334, 0.4743**, and if you desaturate by 10%, it is **46.9128, 0.4080, 0.4498**.

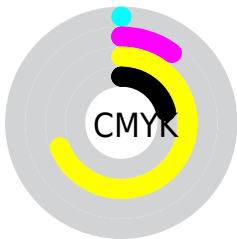
Distribution



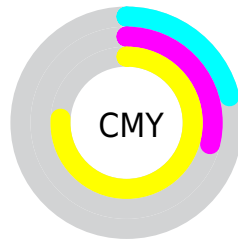
- Red (79%)
- Green (71%)
- Blue (24%)



- Red (34%)
- Yellow (79%)
- Blue (24%)



- Cyan (0%)
- Magenta (10%)
- Yellow (69%)
- Black (21%)





- Cyan (21%)
- Magenta (29%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4078, 0.4219, 0.4641 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 45.4078, 0.4219, 0.4641 by changing the saturation by 10% instead.


 45.4078, 0.4219,
0.4641


 45.4078, 0.4219,
0.4641


368.4227, 0.3721,
0.4003

 31.7788, 0.4316,
0.4774


 83.3320, 0.4056,
0.4426

 21.1926, 0.4421,
0.4926


 108.3960, 0.3989,
0.4339


 13.2648, 0.4525,
0.5092


 138.0404, 0.3930,
0.4264

 7.6112, 0.4670,
0.5330

 172.6496, 0.3878,
0.4198

 3.8472, 0.4618,
0.5382

 212.6081, 0.3832,
0.4140

 1.5884, 0.4529,
0.5471

258.3001, 0.3791,

 0.3498, 0.3570,

0.4089

0.6430

310.1102, 0.3754,
0.4044

0.0000, 0.0000,
0.0000

45.4078, 0.4219,
0.4641

45.4078, 0.4219,
0.4641

44.0155, 0.4334,
0.4743

46.9128, 0.4080,
0.4498

42.7199, 0.4422,
0.4800

48.5324, 0.3925,
0.4322

41.5067, 0.4484,
0.4817

50.2760, 0.3760,
0.4123

41.4028, 0.4489,
0.4818

52.1500, 0.3591,
0.3911

54.1606, 0.3425,
0.3694

■ 56.3133, 0.3265,
0.3479

■ 58.6133, 0.3114,
0.3272

■ 61.0655, 0.2975,
0.3076

■ 63.6745, 0.2847,
0.2893

Harmonies

Analogous

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



45.4078, 0.4714, 0.4100



45.4078, 0.4219, 0.4641



45.4078, 0.3473, 0.4865

Triad

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



45.4078, 0.4219, 0.4641



45.4078, 0.1729, 0.2744



45.4078, 0.3432, 0.2418

Complementary

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



45.4078, 0.4219, 0.4641



11.4368, 0.1867, 0.1366

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.



45.4078, 0.2604, 0.2109



45.4078, 0.4219, 0.4641



45.4078, 0.1725, 0.2223

Square

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



45.4078, 0.4219, 0.4641



45.4078, 0.2049, 0.3592



45.4078, 0.2016, 0.2030



45.4078, 0.4270, 0.2904

Rectangle

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



45.4078, 0.4219, 0.4641



45.4078, 0.2935, 0.4678



45.4078, 0.2016, 0.2030



45.4078, 0.3139, 0.2292

Sweetspot

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



45.4100, 0.4219, 0.4641



91.9641, 0.3460, 0.3741



16.5277, 0.5051, 0.3040



19.4758, 0.3507, 0.3802



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.



45.4100, 0.4219, 0.4641



74.2237, 0.4382, 0.4778



49.0579, 0.3651, 0.5086



12.1334, 0.3269, 0.3485



26.1405, 0.4484, 0.4822



1.3138, 0.4414, 0.4877

Inverse Universe

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



11.4368, 0.1867, 0.1366



12.8181, 0.1657, 0.0983



10.8796, 0.2157, 0.1269



10.5419, 0.2983, 0.3088



3.3323, 0.1538, 0.0735



0.2426, 0.1628, 0.1061

Previews

White Background



This preview shows how the Yxy color 45.4078, 0.4219, 0.4641 looks on a white background.

Color Contrast Check

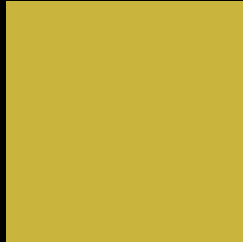
Large Text (above 18pt) WCAG AA × Fail

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 45.4078, 0.4219, 0.4641 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 45.4078, 0.4219, 0.4641

Background



This preview shows how black text looks on a background with the Yxy color 45.4078, 0.4219, 0.4641.



This preview shows how white text looks on a background with the Yxy color 45.4078, 0.4219, 0.4641.

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

45.4078, 0.4219, 0.4641

Protanopia

45.4078, 0.4219, 0.4641

Deuteranopia

45.3548, 0.4494, 0.4406



Tritanopia

45.1903, 0.3411, 0.3133

Trichromacy



Original Color

45.4078, 0.4219, 0.4641

Protanomaly

45.4078, 0.4219, 0.4641

Deuteranomaly

45.2412, 0.4400, 0.4485

Tritanomaly

44.6054, 0.3757, 0.3718

Monochromacy



Original Color

45.4078, 0.4219, 0.4641

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.8114, 0.3556, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4078, 0.4219, 0.4641 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(201, 180, 62)` looks like.

```
.text, #text, p{  
    color:rgb(201, 180, 62)  
}
```

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(201, 180, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 180, 62) }
```

Border

The CSS property to change the border of an element to Yxy 45.4078, 0.4219, 0.4641 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(201, 180, 62) }
```

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

```
.border{ border-color:rgb(201, 180, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 180, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 180, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 180, 62);  
box-shadow:4px 4px 4px 4px rgb(201, 180,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4078, 0.4219, 0.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 180, 62) }
```

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

```
.background{ background-color: rgb(201,  
180, 62) }
```

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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