

Converting Colors

$Y_{xy}(45.4417, 0.4204, 0.4618)$

Have a look what the booklet for
Yxy(45.4417, 0.4204, 0.4618)
contains.

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Color

$\text{Yxy}(45.4417, 0.4204, 0.4618)$

Conversions

Conversions Part 1

Format	Color
Hex	C9B441
RGB	201, 180, 65
RGB Percent	79%, 71%, 25%
CMY	0.2117, 0.2941, 0.7451
CMYK	0.00, 0.10, 0.68, 0.21
HSL	51°, 56%, 52%
HSV	51°, 68%, 79%
XYZ	41.3679, 45.4417, 11.5917
YIQ	173.1690, 49.4310, -31.3130

Conversions

Conversions Part 2

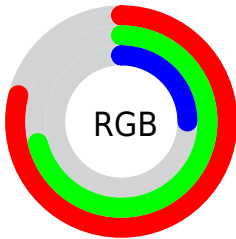
Format	Color
R_{YB}	90, 201, 65
Decimal	13218881
CIE Lab	73.18, -5.49, 58.97
CIE LCh	73, 59.227, 95.315
Yxy	45.4417, 0.4204, 0.4618
Android (android.graphics.Color)	4291408961 (0xFFC9B441)
YUV	173.1690, -53.3273, 24.4078
Hunter-Lab	67.4105, -8.4279, 36.9920

Details

The Yxy color **45.4417, 0.4204, 0.4618** 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 **12.0026, 0.1893, 0.1415**, and the grayscale version is **42.1411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5828, 0.3996, 0.4425**, and **21.3676, 0.4398, 0.4890** is the 20% darker color. If you saturate the color by 10%, you get **44.0101, 0.4324, 0.4726**, and if you desaturate by 10%, it is **46.9886, 0.4061, 0.4470**.

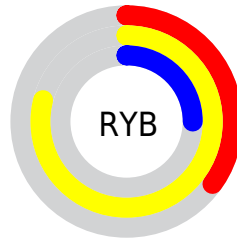
Distribution



Red (79%)

Green (71%)

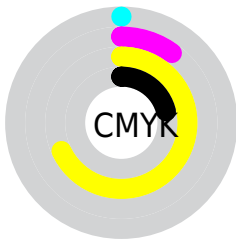
Blue (25%)



Red (35%)

Yellow (79%)

Blue (25%)

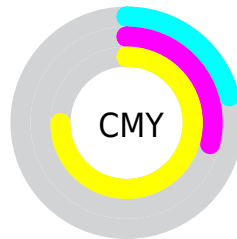


Cyan (0%)

Magenta (10%)

Yellow (68%)

Black (21%)



Cyan (21%)


Magenta (29%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4417, 0.4204, 0.4618 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 45.4417, 0.4204, 0.4618 by changing the saturation by 10% instead.


 45.4417, 0.4204,
0.4618

 45.4417, 0.4204,
0.4618


368.5595, 0.3711,
0.3989


 31.8055, 0.4301,
0.4751


 83.3828, 0.4042,
0.4405

 21.2130, 0.4407,
0.4903


 108.4565, 0.3976,
0.4320


 13.2798, 0.4515,
0.5070


 138.1115, 0.3917,
0.4246

 7.6215, 0.4677,
0.5323

 172.7322, 0.3866,
0.4181

 3.8537, 0.4626,
0.5374

 212.7029, 0.3820,
0.4124

 1.5921, 0.4540,
0.5460

258.4081, 0.3780,

 0.3522, 0.3632,

0.4074

0.6368

310.2322, 0.3743,
0.4029

0.0000, 0.0000,
0.0000

45.4417, 0.4204,
0.4618

45.4417, 0.4204,
0.4618

44.0101, 0.4324,
0.4726

46.9886, 0.4061,
0.4470

42.6779, 0.4417,
0.4789

48.6525, 0.3903,
0.4291

41.4339, 0.4483,
0.4809

50.4426, 0.3736,
0.4090

41.1508, 0.4497,
0.4812

52.3654, 0.3567,
0.3877

54.4270, 0.3401,
0.3661

■ 56.6327, 0.3242,
0.3448

■ 58.9879, 0.3093,
0.3243

■ 61.4973, 0.2955,
0.3050

■ 64.1656, 0.2829,
0.2870

Harmonies

Analogous

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



45.4417, 0.4687, 0.4090



45.4417, 0.4204, 0.4618



45.4417, 0.3472, 0.4832

Triad

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



45.4417, 0.4204, 0.4618



45.4417, 0.1752, 0.2758



45.4417, 0.3425, 0.2432

Complementary

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



45.4417, 0.4204, 0.4618



12.0026, 0.1893, 0.1415

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.



45.4417, 0.2612, 0.2128



45.4417, 0.4204, 0.4618



45.4417, 0.1747, 0.2243

Square

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



45.4417, 0.4204, 0.4618



45.4417, 0.2070, 0.3589



45.4417, 0.2034, 0.2051



45.4417, 0.4246, 0.2911

Rectangle

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



45.4417, 0.4204, 0.4618



45.4417, 0.2943, 0.4648



45.4417, 0.2034, 0.2051



45.4417, 0.3138, 0.2308

Sweetspot

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



45.4439, 0.4204, 0.4618



92.2119, 0.3444, 0.3717



16.9010, 0.4988, 0.3040



19.5205, 0.3491, 0.3779



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.



45.4439, 0.4204, 0.4618



74.2891, 0.4369, 0.4760



49.2031, 0.3647, 0.5055



12.1269, 0.3269, 0.3484



25.9761, 0.4492, 0.4816



1.3074, 0.4420, 0.4873

Inverse Universe

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



12.0026, 0.1893, 0.1415



13.6527, 0.1682, 0.1035



11.3362, 0.2181, 0.1307



10.5478, 0.2983, 0.3089



3.3566, 0.1539, 0.0740



0.2454, 0.1631, 0.1071

Previews

White Background



This preview shows how the Yxy color 45.4417, 0.4204, 0.4618 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 45.4417, 0.4204, 0.4618 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 45.4417, 0.4204, 0.4618

Background



This preview shows how black text looks on a background with the Yxy color 45.4417, 0.4204, 0.4618.



This preview shows how white text looks on a background with the Yxy color 45.4417, 0.4204, 0.4618.

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

45.4417, 0.4204, 0.4618

Protanopia

45.4417, 0.4204, 0.4618

Deuteranopia

45.3905, 0.4477, 0.4385



Tritanopia

45.2315, 0.3402, 0.3121

Trichromacy



Original Color

45.4417, 0.4204, 0.4618

Protanomaly

45.4417, 0.4204, 0.4618

Deuteranomaly

45.2763, 0.4383, 0.4463

Tritanomaly

44.6345, 0.3748, 0.3706

Monochromacy



Original Color

45.4417, 0.4204, 0.4618

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.8392, 0.3547, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4417, 0.4204, 0.4618 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(201, 180, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 180, 65) }
```

Border

The CSS property to change the border of an element to Yxy 45.4417, 0.4204, 0.4618 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, 65) }
```

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

```
.border{ border-color:rgb(201, 180, 65) }
```

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, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 180, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 180, 65);  
box-shadow:4px 4px 4px 4px rgb(201, 180,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4417, 0.4204, 0.4618 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, 65) }
```

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

```
.background{ background-color: rgb(201,  
180, 65) }
```

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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