

Converting Colors

$Yxy(49.9057, 0.4167, 0.4856)$

Have a look what the booklet for
Yxy(49.9057, 0.4167, 0.4856)
contains.

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Color

Yxy(50.0466, 0.4165, 0.4857)

Conversions

Conversions Part 1

Format	Color
Hex	C7C02F
RGB	199, 192, 47
RGB Percent	78%, 75%, 18%
CMY	0.2196, 0.2470, 0.8160
CMYK	0.00, 0.04, 0.76, 0.22
HSL	57°, 62%, 48%
HSV	57°, 76%, 78%
XYZ	42.9162, 50.0466, 10.0773
YIQ	177.5630, 50.7170, -43.6110

Conversions

Conversions Part 2

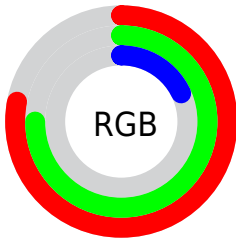
Format	Color
RYB	54, 199, 47
Decimal	13090863
CIELab	76.10, -13.39, 68.32
CIELCh	76, 69.621, 101.085
Yxy	50.0466, 0.4165, 0.4857
Android (android.graphics.Color)	4291280943 (0xFFC7C02F)
YUV	177.5630, -64.3676, 18.8002
Hunter-Lab	70.7436, -15.5153, 41.0748

Details

The Yxy color **50.0466, 0.4165, 0.4857** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **7.3566, 0.1707, 0.0982**, and the grayscale version is **44.6010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4147, 0.4002, 0.4625**, and **24.1280, 0.4217, 0.5033** is the 20% darker color. If you saturate the color by 10%, you get **49.5224, 0.4228, 0.4938**, and if you desaturate by 10%, it is **50.6512, 0.4075, 0.4733**.

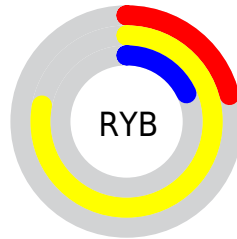
Distribution



Red (78%)

Green (75%)

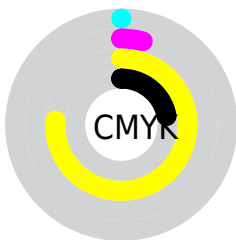
Blue (18%)



Red (21%)

Yellow (78%)

Blue (18%)

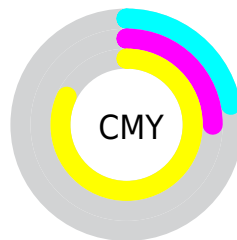


Cyan (0%)

Magenta (4%)

Yellow (76%)

Black (22%)



Cyan (22%)


Magenta (25%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0466, 0.4165, 0.4857 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 50.0466, 0.4165, 0.4857 by changing the saturation by 10% instead.


 50.0466, 0.4165,
0.4857


 50.0466, 0.4165,
0.4857


386.8481, 0.3724,
0.4125

 35.4504, 0.4239,
0.5007


 90.2439, 0.4030,
0.4613

 24.0100, 0.4310,
0.5175


 116.6139, 0.3971,
0.4514


 15.3411, 0.4368,
0.5360


 147.6772, 0.3919,
0.4428


 9.0591, 0.4415,
0.5585


 183.8182, 0.3871,
0.4352

 4.7798, 0.4303,
0.5697

 225.4215, 0.3828,
0.4285

 2.1186, 0.4119,
0.5881

 272.8713, 0.3790,

 0.6751, 0.3181,

0.4226

0.6819

326.5520, 0.3755,
0.4173

■ 0.0000, 0.0000,
0.0000

■ 50.0466, 0.4165,
0.4857

■ 50.0466, 0.4165,
0.4857

■ 49.5224, 0.4228,
0.4938

■ 50.6512, 0.4075,
0.4733

■ 49.0600, 0.4266,
0.4978

■ 51.3379, 0.3962,
0.4568

■ 48.9026, 0.4276,
0.4987

■ 52.1167, 0.3829,
0.4371

■ 52.9942, 0.3683,
0.4151

■ 53.9766, 0.3529,
0.3916

■ 55.0695, 0.3374,
0.3676

■ 56.2780, 0.3222,
0.3439

■ 57.6070, 0.3076,
0.3209

■ 59.0610, 0.2939,
0.2992

Harmonies

Analogous

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



50.0466, 0.4794, 0.4273



50.0466, 0.4165, 0.4857



50.0466, 0.3316, 0.5038

Triad

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



50.0466, 0.4165, 0.4857



50.0466, 0.1573, 0.2533



50.0466, 0.3649, 0.2422

Complementary

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



50.0466, 0.4165, 0.4857



7.3566, 0.1707, 0.0982

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.



50.0466, 0.2700, 0.2048



50.0466, 0.4165, 0.4857



50.0466, 0.1634, 0.2049

Square

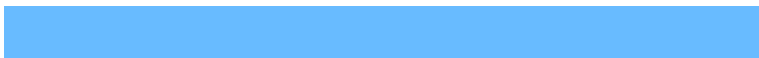
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.0466, 0.4165, 0.4857



50.0466, 0.1842, 0.3416



50.0466, 0.2005, 0.1910



50.0466, 0.4546, 0.2970

Rectangle

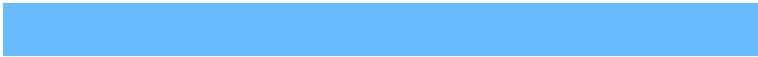
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.0466, 0.4165, 0.4857



50.0466, 0.2733, 0.4741



50.0466, 0.2005, 0.1910



50.0466, 0.3318, 0.2274

Sweetspot

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



50.0490, 0.4165, 0.4857



95.0702, 0.3481, 0.3842



14.4404, 0.5648, 0.3231



20.2046, 0.3538, 0.3930



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.



50.0490, 0.4165, 0.4857



86.1313, 0.4257, 0.4969



45.8460, 0.3515, 0.5330



12.3300, 0.3266, 0.3508



31.4787, 0.4275, 0.4988



1.5169, 0.4256, 0.5002

Inverse Universe

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



7.3566, 0.1707, 0.0982



8.3636, 0.1539, 0.0683



9.8188, 0.2216, 0.1180



10.3645, 0.2983, 0.3062



2.8147, 0.1509, 0.0633



0.1612, 0.1542, 0.0749

Previews

White Background



This preview shows how the Yxy color 50.0466, 0.4165, 0.4857 looks on a white background.

Color Contrast Check

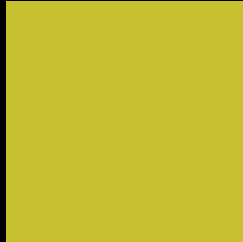
Large Text (above 18pt) WCAG AA × Fail

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 50.0466, 0.4165, 0.4857 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 50.0466, 0.4165, 0.4857

Background



This preview shows how black text looks on a background with the Yxy color 50.0466, 0.4165, 0.4857.



This preview shows how white text looks on a background with the Yxy color 50.0466, 0.4165, 0.4857.

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

50.0466, 0.4165, 0.4857

Protanopia

50.0126, 0.4310, 0.4754

Deuteranopia

49.7600, 0.4584, 0.4488



Tritanopia

49.9393, 0.3291, 0.3124

Trichromacy



Original Color

50.0466, 0.4165, 0.4857

Protanomaly

49.8578, 0.4265, 0.4787

Deuteranomaly

49.6356, 0.4433, 0.4618

Tritanomaly

49.4398, 0.3694, 0.3836

Monochromacy



Original Color

50.0466, 0.4165, 0.4857

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.9178, 0.3586, 0.3995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0466, 0.4165, 0.4857 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(199, 192, 47)` looks like.

```
.text, #text, p{  
    color:rgb(199, 192, 47)  
}
```

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(199, 192, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 192, 47) }
```

Border

The CSS property to change the border of an element to Yxy 50.0466, 0.4165, 0.4857 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(199, 192, 47) }
```

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

```
.border{ border-color:rgb(199, 192, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 192, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 192, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 192, 47);  
box-shadow:4px 4px 4px 4px rgb(199, 192,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0466, 0.4165, 0.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 192, 47) }
```

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

```
.background{ background-color: rgb(199,  
192, 47) }
```

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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