

Converting Colors

$Y_{xy}(49.4090, 0.4092, 0.4746)$

Have a look what the booklet for
Yxy(49.4090, 0.4092, 0.4746)
contains.

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Color

Yxy(49.5021, 0.4085, 0.4749)

Conversions

Conversions Part 1

Format	Color
Hex	C5BF40
RGB	197, 191, 64
RGB Percent	77%, 75%, 25%
CMY	0.2275, 0.2510, 0.7492
CMYK	0.00, 0.03, 0.68, 0.23
HSL	57°, 53%, 51%
HSV	57°, 68%, 77%
XYZ	42.5808, 49.5021, 12.1540
YIQ	178.3160, 44.3430, -38.2250

Conversions

Conversions Part 2

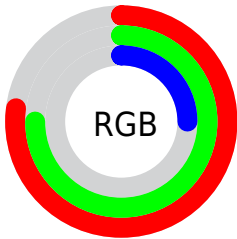
Format	Color
RYB	70, 197, 64
Decimal	12959552
CIELab	75.76, -12.94, 61.91
CIELCh	76, 63.252, 101.808
Yxy	49.5021, 0.4085, 0.4749
Android (android.graphics.Color)	4291149632 (0xFFC5BF40)
YUV	178.3160, -56.3578, 16.3859
Hunter-Lab	70.3577, -15.0971, 39.0083

Details

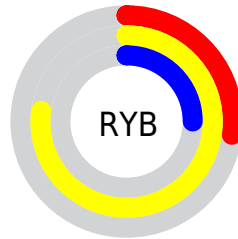
The Yxy color **49.5021, 0.4085, 0.4749** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted orange. A complement of this color would be **9.4934, 0.1849, 0.1221**, and the grayscale version is **44.9827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1134, 0.3941, 0.4512**, and **23.7524, 0.4218, 0.5033** is the 20% darker color. If you saturate the color by 10%, you get **48.9328, 0.4172, 0.4869**, and if you desaturate by 10%, it is **50.1576, 0.3974, 0.4589**.

Distribution



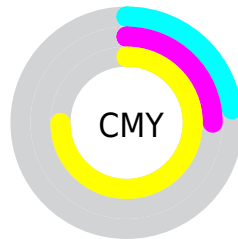
- Red (77%)
- Green (75%)
- Blue (25%)



- Red (27%)
- Yellow (77%)
- Blue (25%)



- Cyan (0%)
- Magenta (3%)
- Yellow (68%)
- Black (23%)





- Cyan (23%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5021, 0.4085, 0.4749 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 49.5021, 0.4085, 0.4749 by changing the saturation by 10% instead.

 49.5021, 0.4085,
0.4749


 49.5021, 0.4085,
0.4749


384.7156, 0.3665,
0.4054

 35.0179, 0.4161,
0.4898


 89.4367, 0.3952,
0.4512


 23.6767, 0.4240,
0.5071


 115.6560, 0.3896,
0.4418

 15.0940, 0.4312,
0.5268


 146.5557, 0.3846,
0.4336

 8.8854, 0.4427,
0.5573

 182.5204, 0.3802,
0.4265

 4.6665, 0.4318,
0.5682

 223.9343, 0.3762,
0.4202

 2.0529, 0.4137,
0.5863

271.1819, 0.3726,

 0.6380, 0.3128,

0.4147

0.6872

324.6475, 0.3694,
0.4098

0.0000, 0.0000,
0.0000

49.5021, 0.4085,
0.4749

49.5021, 0.4085,
0.4749

48.9328, 0.4172,
0.4869

50.1576, 0.3974,
0.4589

48.4339, 0.4232,
0.4945

50.8997, 0.3843,
0.4395

47.9951, 0.4267,
0.4982

51.7376, 0.3699,
0.4176

47.8909, 0.4274,
0.4988

52.6770, 0.3546,
0.3942

53.7236, 0.3391,
0.3703

■ 54.8825, 0.3238,
0.3465

■ 56.1583, 0.3092,
0.3234

■ 57.5556, 0.2953,
0.3016

■ 59.0786, 0.2825,
0.2811

Harmonies

Analogous

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



49.5021, 0.4662, 0.4238



49.5021, 0.4085, 0.4749



49.5021, 0.3299, 0.4868

Triad

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



49.5021, 0.4085, 0.4749



49.5021, 0.1682, 0.2590



49.5021, 0.3630, 0.2499

Complementary

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



49.5021, 0.4085, 0.4749



9.4934, 0.1849, 0.1221

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.



49.5021, 0.2759, 0.2142



49.5021, 0.4085, 0.4749



49.5021, 0.1743, 0.2139

Square

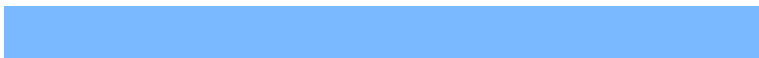
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.5021, 0.4085, 0.4749



49.5021, 0.1934, 0.3391



49.5021, 0.2102, 0.2008



49.5021, 0.4438, 0.3018

Rectangle

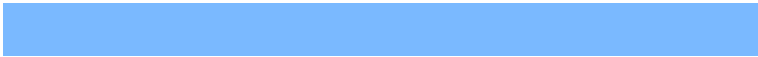
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.5021, 0.4085, 0.4749



49.5021, 0.2759, 0.4580



49.5021, 0.2102, 0.2008



49.5021, 0.3328, 0.2358

Sweetspot

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



49.5044, 0.4085, 0.4749



95.6832, 0.3434, 0.3769



15.9819, 0.5241, 0.3224



20.3647, 0.3478, 0.3838



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.



49.5044, 0.4085, 0.4749



87.2060, 0.4203, 0.4910



45.6305, 0.3514, 0.5135



12.3319, 0.3266, 0.3508



31.5347, 0.4273, 0.4989



1.5190, 0.4255, 0.5003

Inverse Universe

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



9.4934, 0.1849, 0.1221



10.8604, 0.1634, 0.0853



11.9651, 0.2342, 0.1388



10.3628, 0.2983, 0.3062



2.8110, 0.1509, 0.0632



0.1604, 0.1541, 0.0746

Previews

White Background



This preview shows how the Yxy color 49.5021, 0.4085, 0.4749 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 49.5021, 0.4085, 0.4749 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 49.5021, 0.4085, 0.4749

Background



This preview shows how black text looks on a background with the Yxy color 49.5021, 0.4085, 0.4749.



This preview shows how white text looks on a background with the Yxy color 49.5021, 0.4085, 0.4749.

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

49.5021, 0.4085, 0.4749

Protanopia

49.4548, 0.4230, 0.4653

Deuteranopia

49.1976, 0.4497, 0.4390



Tritanopia

49.5004, 0.3265, 0.3122

Trichromacy



Original Color

49.5021, 0.4085, 0.4749

Protanomaly

49.3045, 0.4186, 0.4684

Deuteranomaly

49.0768, 0.4350, 0.4518

Tritanomaly

48.7797, 0.3619, 0.3754

Monochromacy



Original Color

49.5021, 0.4085, 0.4749

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.9874, 0.3519, 0.3904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5021, 0.4085, 0.4749 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, 191, 64)` looks like.

```
.text, #text, p{  
    color:rgb(197, 191, 64)  
}
```

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, 191, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 191, 64) }
```

Border

The CSS property to change the border of an element to Yxy 49.5021, 0.4085, 0.4749 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, 191, 64) }
```

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

```
.border{ border-color:rgb(197, 191, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 191, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 191, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 191, 64);  
box-shadow:4px 4px 4px 4px rgb(197, 191,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5021, 0.4085, 0.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 191, 64) }
```

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

```
.background{ background-color: rgb(197,  
191, 64) }
```

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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