

Converting Colors

$Yxy(49.0927, 0.4041, 0.4597)$

Have a look what the booklet for
Yxy(49.0927, 0.4041, 0.4597)
contains.

Yxy(49.1018, 0.4039, 0.4595)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.1018, 0.4039, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	C7BD4F
RGB	199, 189, 79
RGB Percent	78%, 74%, 31%
CMY	0.2196, 0.2588, 0.6902
CMYK	0.00, 0.05, 0.60, 0.22
HSL	55°, 52%, 55%
HSV	55°, 60%, 78%
XYZ	43.1604, 49.1018, 14.5970
YIQ	179.4500, 41.2700, -32.0900

Conversions

Conversions Part 2

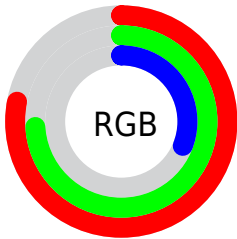
Format	Color
RYB	90, 199, 79
Decimal	13090127
CIELab	75.51, -10.15, 55.42
CIElCh	76, 56.345, 100.374
Yxy	49.1018, 0.4039, 0.4595
Android (android.graphics.Color)	4291280207 (0xFFC7BD4F)
YUV	179.4500, -49.5218, 17.1454
Hunter-Lab	70.0727, -12.6822, 36.7001

Details

The Yxy color **49.1018, 0.4039, 0.4595** 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 **12.9253, 0.1997, 0.1509**, and the grayscale version is **45.5854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2308, 0.3883, 0.4389**, and **23.4210, 0.4207, 0.4899** is the 20% darker color. If you saturate the color by 10%, you get **48.1481, 0.4154, 0.4741**, and if you desaturate by 10%, it is **50.1550, 0.3904, 0.4414**.

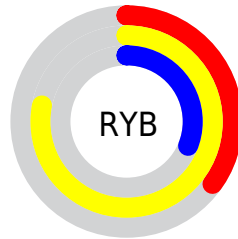
Distribution



Red (78%)

Green (74%)

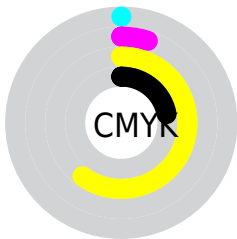
Blue (31%)



Red (35%)

Yellow (78%)

Blue (31%)

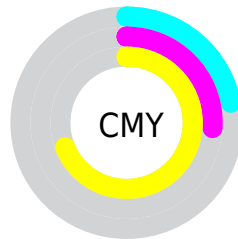


Cyan (0%)

Magenta (5%)

Yellow (60%)

Black (22%)



Cyan (22%)


Magenta (26%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1018, 0.4039, 0.4595 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 49.1018, 0.4039, 0.4595 by changing the saturation by 10% instead.


 49.1018, 0.4039,
0.4595


 49.1018, 0.4039,
0.4595


383.1429, 0.3626,
0.3967

 34.7002, 0.4121,
0.4734


 88.8426, 0.3903,
0.4378

 23.4321, 0.4211,
0.4899


 114.9507, 0.3848,
0.4293

 14.9129, 0.4305,
0.5092


 145.7297, 0.3799,
0.4219

 8.7583, 0.4412,
0.5341

 181.5641, 0.3756,
0.4156

 4.5838, 0.4438,
0.5562

 222.8382, 0.3718,
0.4100

 2.0052, 0.4296,
0.5704

269.9364, 0.3684,

 0.6105, 0.3527,

0.4050

0.6473

323.2432, 0.3653,
0.4006

0.0000, 0.0000,
0.0000

49.1018, 0.4039,
0.4595

49.1018, 0.4039,
0.4595

48.1481, 0.4154,
0.4741

50.1550, 0.3904,
0.4414

47.2788, 0.4245,
0.4845

51.3077, 0.3754,
0.4207

46.4869, 0.4308,
0.4906

52.5687, 0.3597,
0.3983

45.7756, 0.4348,
0.4930

53.9437, 0.3438,
0.3751

55.4381, 0.3281,
0.3521

■ 57.0567, 0.3132,
0.3297

■ 58.8045, 0.2991,
0.3083

■ 60.6856, 0.2860,
0.2884

■ 62.5044, 0.2758,
0.2729

Harmonies

Analogous

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



49.1018, 0.4535, 0.4146



49.1018, 0.4039, 0.4595



49.1018, 0.3334, 0.4694

Triad

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



49.1018, 0.4039, 0.4595



49.1018, 0.1816, 0.2699



49.1018, 0.3543, 0.2553

Complementary

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



49.1018, 0.4039, 0.4595



12.9253, 0.1997, 0.1509

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.



49.1018, 0.2766, 0.2232



49.1018, 0.4039, 0.4595



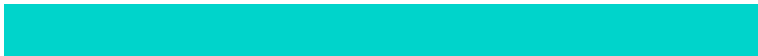
49.1018, 0.1856, 0.2263

Square

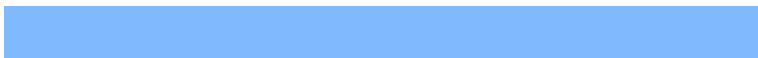
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.1018, 0.4039, 0.4595



49.1018, 0.2069, 0.3429



49.1018, 0.2177, 0.2122



49.1018, 0.4270, 0.3028

Rectangle

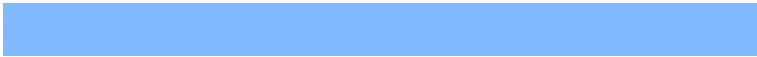
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1018, 0.4039, 0.4595



49.1018, 0.2842, 0.4451



49.1018, 0.2177, 0.2122



49.1018, 0.3275, 0.2425

Sweetspot

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



49.1041, 0.4039, 0.4595



94.9757, 0.3405, 0.3704



18.4525, 0.4843, 0.3174



20.1693, 0.3452, 0.3773



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.



49.1041, 0.4039, 0.4595



83.8770, 0.4182, 0.4774



47.7970, 0.3534, 0.4936



12.2602, 0.3267, 0.3500



29.4992, 0.4345, 0.4932



1.4424, 0.4310, 0.4960

Inverse Universe

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



12.9253, 0.1997, 0.1509



15.3391, 0.1773, 0.1130



14.3798, 0.2404, 0.1560



10.4270, 0.2983, 0.3071



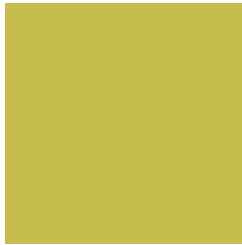
2.9544, 0.1517, 0.0661



0.1900, 0.1573, 0.0864

Previews

White Background



This preview shows how the Yxy color 49.1018, 0.4039, 0.4595 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 49.1018, 0.4039, 0.4595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

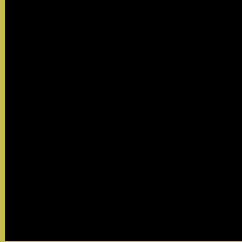
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1018, 0.4039, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 49.1018, 0.4039, 0.4595.



This preview shows how white text looks on a background with the Yxy color 49.1018, 0.4039, 0.4595.

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

49.1018, 0.4039, 0.4595

Protanopia

48.9333, 0.4140, 0.4535

Deuteranopia

48.8765, 0.4393, 0.4305



Tritanopia

48.7612, 0.3293, 0.3122

Trichromacy



Original Color

49.1018, 0.4039, 0.4595

Protanomaly

48.9281, 0.4105, 0.4560

Deuteranomaly

48.7019, 0.4269, 0.4403

Tritanomaly

48.2289, 0.3600, 0.3679

Monochromacy



Original Color

49.1018, 0.4039, 0.4595

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.2892, 0.3479, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1018, 0.4039, 0.4595 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, 189, 79)` looks like.

```
.text, #text, p{  
    color:rgb(199, 189, 79)  
}
```

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, 189, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 189, 79) }
```

Border

The CSS property to change the border of an element to Yxy 49.1018, 0.4039, 0.4595 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, 189, 79) }
```

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

```
.border{ border-color:rgb(199, 189, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 189, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 189, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 189, 79);  
box-shadow:4px 4px 4px 4px rgb(199, 189,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1018, 0.4039, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 189, 79) }
```

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

```
.background{ background-color: rgb(199,  
189, 79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor