

Converting Colors

$Yxy(49.5798, 0.4007, 0.4326)$

Have a look what the booklet for
Yxy(49.5798, 0.4007, 0.4326)
contains.

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Color

Yxy(49.4478, 0.4006, 0.4318)

Conversions

Conversions Part 1

Format	Color
Hex	D0BA64
RGB	208, 186, 100
RGB Percent	82%, 73%, 39%
CMY	0.1843, 0.2706, 0.6077
CMYK	0.00, 0.11, 0.52, 0.18
HSL	48°, 53%, 60%
HSV	48°, 52%, 82%
XYZ	45.8749, 49.4478, 19.1928
YIQ	182.7740, 40.7180, -22.0820

Conversions

Conversions Part 2

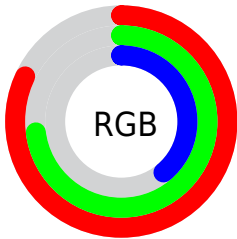
Format	Color
RYB	128, 208, 100
Decimal	13679204
CIELab	75.73, -3.18, 46.01
CIELCh	76, 46.124, 93.949
Yxy	49.4478, 0.4006, 0.4318
Android (android.graphics.Color)	4291869284 (0xFFD0BA64)
YUV	182.7740, -40.8076, 22.1232
Hunter-Lab	70.3191, -6.6083, 33.0409

Details

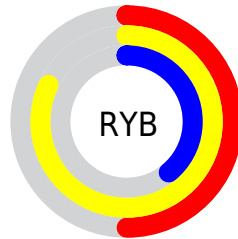
The Yxy color **49.4478, 0.4006, 0.4318** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.1971, 0.2200, 0.1975**, and the grayscale version is **47.4382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0642, 0.3775, 0.4174**, and **23.5761, 0.4207, 0.4570** is the 20% darker color. If you saturate the color by 10%, you get **47.3371, 0.4173, 0.4478**, and if you desaturate by 10%, it is **51.7190, 0.3830, 0.4133**.

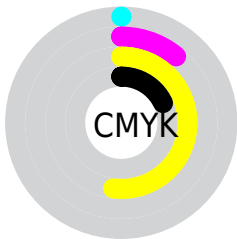
Distribution



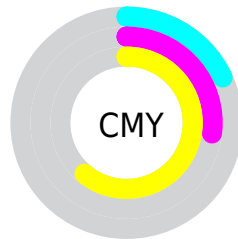
- Red (82%)
- Green (73%)
- Blue (39%)



- Red (50%)
- Yellow (82%)
- Blue (39%)



- Cyan (0%)
- Magenta (11%)
- Yellow (52%)
- Black (18%)



- Cyan (18%)
- Magenta (27%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4478, 0.4006, 0.4318 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 49.4478, 0.4006, 0.4318 by changing the saturation by 10% instead.

 49.4478, 0.4006,
0.4318

 49.4478, 0.4006,
0.4318


384.5026, 0.3591,
0.3824

 34.9748, 0.4097,
0.4430


 89.3562, 0.3863,
0.4146


 23.6435, 0.4206,
0.4564


 115.5604, 0.3807,
0.4079

 15.0694, 0.4333,
0.4726


 146.4438, 0.3758,
0.4021

 8.8681, 0.4476,
0.4917

 182.3908, 0.3716,
0.3971

 4.6552, 0.4740,
0.5260

223.7857, 0.3679,
0.3928

 2.0464, 0.4697,
0.5303

271.0131, 0.3646,

 0.6342, 0.4530,

0.3889

0.5470

324.4572, 0.3617,
0.3855

0.0000, 0.0000,
0.0000

49.4478, 0.4006,
0.4318

49.4478, 0.4006,
0.4318

47.3371, 0.4173,
0.4478

51.7190, 0.3830,
0.4133

45.3715, 0.4324,
0.4603

54.1513, 0.3651,
0.3933

43.5437, 0.4450,
0.4686

56.7540, 0.3477,
0.3728

41.8422, 0.4548,
0.4721

59.5335, 0.3311,
0.3524

40.5415, 0.4610,
0.4722

62.4959, 0.3155,
0.3327

■ 65.6467, 0.3012,
0.3139

■ 68.9915, 0.2882,
0.2964

■ 71.7759, 0.2828,
0.2915

■ 74.0288, 0.2831,
0.2962

Harmonies

Analogous

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



49.4478, 0.4344, 0.3934



49.4478, 0.4006, 0.4318



49.4478, 0.3450, 0.4443

Triad

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



49.4478, 0.4006, 0.4318



49.4478, 0.2052, 0.2930



49.4478, 0.3334, 0.2601

Complementary

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



49.4478, 0.4006, 0.4318



21.1971, 0.2200, 0.1975

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.



49.4478, 0.2713, 0.2362



49.4478, 0.4006, 0.4318



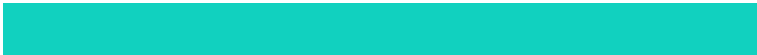
49.4478, 0.2029, 0.2500

Square

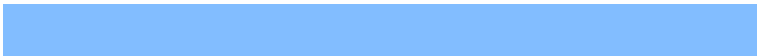
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.4478, 0.4006, 0.4318



49.4478, 0.2332, 0.3557



49.4478, 0.2256, 0.2317



49.4478, 0.3951, 0.2988

Rectangle

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



49.4478, 0.4006, 0.4318



49.4478, 0.3037, 0.4301



49.4478, 0.2256, 0.2317



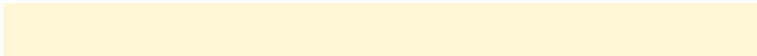
49.4478, 0.3116, 0.2502

Sweetspot

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



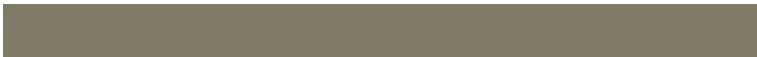
49.4501, 0.4006, 0.4318



92.4533, 0.3381, 0.3611



23.9742, 0.4280, 0.3002



19.5928, 0.3416, 0.3653



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.



49.4501, 0.4006, 0.4318



74.7755, 0.4186, 0.4490



55.4331, 0.3620, 0.4658



13.3712, 0.3271, 0.3474



25.4064, 0.4603, 0.4727



1.5266, 0.4514, 0.4798

Inverse Universe

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



21.1971, 0.2200, 0.1975



25.4898, 0.1999, 0.1653



18.4726, 0.2390, 0.1749



11.8025, 0.2982, 0.3099



4.0000, 0.1559, 0.0812



0.3392, 0.1653, 0.1152

Previews

White Background



This preview shows how the Yxy color 49.4478, 0.4006, 0.4318 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 49.4478, 0.4006, 0.4318 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 49.4478, 0.4006, 0.4318

Background



This preview shows how black text looks on a background with the Yxy color 49.4478, 0.4006, 0.4318.



This preview shows how white text looks on a background with the Yxy color 49.4478, 0.4006, 0.4318.

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

49.4478, 0.4006, 0.4318

Protanopia

49.5826, 0.3982, 0.4337

Deuteranopia

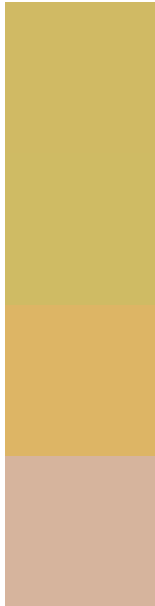
49.2941, 0.4227, 0.4141



Tritanopia

49.4765, 0.3382, 0.3138

Trichromacy



Original Color

49.4478, 0.4006, 0.4318

Protanomaly

49.7261, 0.3991, 0.4333

Deuteranomaly

49.3595, 0.4150, 0.4207

Tritanomaly

49.3730, 0.3625, 0.3570

Monochromacy



Original Color

49.4478, 0.4006, 0.4318

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.7874, 0.3448, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4478, 0.4006, 0.4318 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(208, 186, 100)` looks like.

```
.text, #text, p{  
    color:rgb(208, 186, 100)  
}
```

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(208, 186, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 186, 100) }
```

Border

The CSS property to change the border of an element to Yxy 49.4478, 0.4006, 0.4318 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(208, 186, 100) }
```

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

```
.border{ border-color:rgb(208, 186, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 186, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 186, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 186, 100);  
box-shadow:4px 4px 4px 4px rgb(208, 186,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4478, 0.4006, 0.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 186, 100) }
```

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

```
.background{ background-color: rgb(208,  
186, 100) }
```

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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