

Converting Colors

$Y_{xy}(49.7528, 0.4099, 0.4473)$

Have a look what the booklet for
Yxy(49.7528, 0.4099, 0.4473)
contains.

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Color

Yxy(49.6064, 0.4099, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	D0BB55
RGB	208, 187, 85
RGB Percent	82%, 73%, 33%
CMY	0.1844, 0.2666, 0.6666
CMYK	0.00, 0.10, 0.59, 0.18
HSL	50°, 57%, 57%
HSV	50°, 59%, 82%
XYZ	45.4181, 49.6064, 15.7783
YIQ	181.6510, 45.2580, -27.2700

Conversions

Conversions Part 2

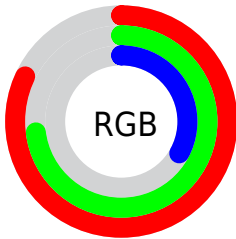
Format	Color
RYB	110, 208, 85
Decimal	13679445
CIELab	75.83, -4.91, 53.27
CIELCh	76, 53.498, 95.261
Yxy	49.6064, 0.4099, 0.4477
Android (android.graphics.Color)	4291869525 (0xFFD0BB55)
YUV	181.6510, -47.6489, 23.1081
Hunter-Lab	70.4318, -8.1497, 36.0200

Details

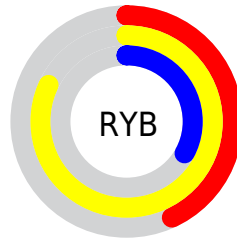
The Yxy color **49.6064, 0.4099, 0.4477** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **16.7889, 0.2051, 0.1698**, and the grayscale version is **46.8256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1962, 0.3858, 0.4320**, and **23.7338, 0.4302, 0.4738** is the 20% darker color. If you saturate the color by 10%, you get **47.8391, 0.4244, 0.4617**, and if you desaturate by 10%, it is **51.5126, 0.3938, 0.4304**.

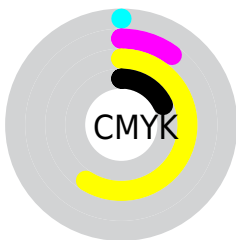
Distribution



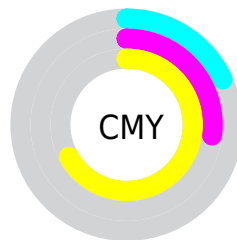
- Red (82%)
- Green (73%)
- Blue (33%)



- Red (43%)
- Yellow (82%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (59%)
- Black (18%)




- Cyan (18%)
- Magenta (27%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6064, 0.4099, 0.4477 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 49.6064, 0.4099, 0.4477 by changing the saturation by 10% instead.

 49.6064, 0.4099,
0.4477

 49.6064, 0.4099,
0.4477


385.1247, 0.3650,
0.3913

 35.1008, 0.4192,
0.4600


 89.5914, 0.3948,
0.4284


 23.7405, 0.4299,
0.4745

 115.8396, 0.3888,
0.4207


 15.1412, 0.4417,
0.4913


 146.7707, 0.3835,
0.4141

 8.9186, 0.4546,
0.5113

 182.7692, 0.3789,
0.4084

 4.6881, 0.4667,
0.5333

 224.2195, 0.3748,
0.4033

 2.0654, 0.4601,
0.5399

271.5059, 0.3712,

 0.6451, 0.4334,

0.3988

0.5666

325.0128, 0.3679,
0.3949

0.0000, 0.0000,
0.0000

49.6064, 0.4099,
0.4477

49.6064, 0.4099,
0.4477

47.8391, 0.4244,
0.4617

51.5126, 0.3938,
0.4304

46.1947, 0.4365,
0.4717

53.5588, 0.3768,
0.4108

44.6649, 0.4460,
0.4770

55.7544, 0.3596,
0.3899

43.2323, 0.4527,
0.4782

58.1062, 0.3427,
0.3686

43.1092, 0.4533,
0.4783

60.6201, 0.3266,
0.3475

■ 63.3020, 0.3114,
0.3273

■ 66.1573, 0.2975,
0.3081

■ 69.1910, 0.2847,
0.2902

■ 71.2506, 0.2828,
0.2904

Harmonies

Analogous

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



49.6064, 0.4514, 0.4026



49.6064, 0.4099, 0.4477



49.6064, 0.3451, 0.4633

Triad

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



49.6064, 0.4099, 0.4477



49.6064, 0.1897, 0.2835



49.6064, 0.3393, 0.2522

Complementary

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



49.6064, 0.4099, 0.4477



16.7889, 0.2051, 0.1698

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.



49.6064, 0.2674, 0.2246



49.6064, 0.4099, 0.4477



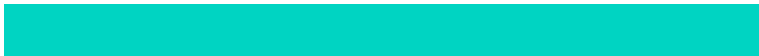
49.6064, 0.1887, 0.2365

Square

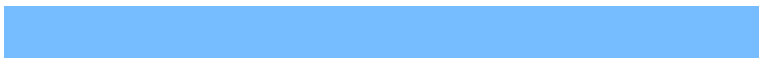
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.6064, 0.4099, 0.4477



49.6064, 0.2193, 0.3560



49.6064, 0.2151, 0.2181



49.6064, 0.4108, 0.2960

Rectangle

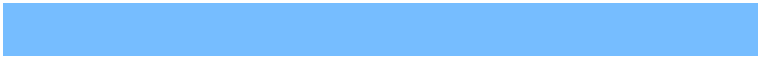
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.6064, 0.4099, 0.4477



49.6064, 0.2979, 0.4463



49.6064, 0.2151, 0.2181



49.6064, 0.3141, 0.2409

Sweetspot

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



49.6087, 0.4099, 0.4477



92.4967, 0.3412, 0.3666



20.9794, 0.4606, 0.3025



19.5560, 0.3461, 0.3729



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.



49.6087, 0.4099, 0.4477



75.1363, 0.4279, 0.4649



54.1958, 0.3632, 0.4853



13.4402, 0.3270, 0.3481



26.9991, 0.4527, 0.4787



1.6025, 0.4456, 0.4844

Inverse Universe

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



16.7889, 0.2051, 0.1698



18.7399, 0.1831, 0.1324



15.3341, 0.2301, 0.1538



11.7388, 0.2982, 0.3091



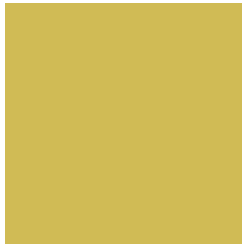
3.7021, 0.1544, 0.0760



0.3097, 0.1630, 0.1069

Previews

White Background



This preview shows how the Yxy color 49.6064, 0.4099, 0.4477 looks on a white background.

Color Contrast Check

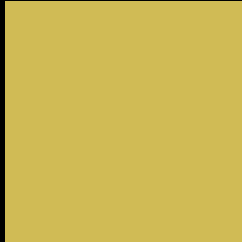
Large Text (above 18pt) WCAG AA × Fail

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 49.6064, 0.4099, 0.4477 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 49.6064, 0.4099, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 49.6064, 0.4099, 0.4477.



This preview shows how white text looks on a background with the Yxy color 49.6064, 0.4099, 0.4477.

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

49.6064, 0.4099, 0.4477

Protanopia

49.4619, 0.4090, 0.4482

Deuteranopia

49.5178, 0.4361, 0.4268



Tritanopia

49.5201, 0.3373, 0.3126

Trichromacy



Original Color

49.6064, 0.4099, 0.4477

Protanomaly

49.4619, 0.4090, 0.4482

Deuteranomaly

49.4076, 0.4273, 0.4341

Tritanomaly

49.2057, 0.3669, 0.3631

Monochromacy



Original Color

49.6064, 0.4099, 0.4477

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.4639, 0.3489, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6064, 0.4099, 0.4477 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, 187, 85)` looks like.

```
.text, #text, p{  
    color:rgb(208, 187, 85)  
}
```

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, 187, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 187, 85) }
```

Border

The CSS property to change the border of an element to Yxy 49.6064, 0.4099, 0.4477 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, 187, 85) }
```

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

```
.border{ border-color:rgb(208, 187, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 187, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 187, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 187, 85);  
box-shadow:4px 4px 4px 4px rgb(208, 187,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6064, 0.4099, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 187, 85) }
```

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

```
.background{ background-color: rgb(208,  
187, 85) }
```

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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