

Converting Colors

$Y_{xy}(49.9425, 0.4486, 0.4717)$

Have a look what the booklet for
Yxy(49.9425, 0.4486, 0.4717)
contains.

| | |
|---|----|
| Yxy(49.9095, 0.4489, 0.4715) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(49.9095, 0.4489, 0.4715)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DEB81F |
| RGB | 222, 184, 31 |
| RGB Percent | 87%, 72%, 12% |
| CMY | 0.1293, 0.2784, 0.8784 |
| CMYK | 0.00, 0.17, 0.86, 0.13 |
| HSL | 48°, 75%, 50% |
| HSV | 48°, 86%, 87% |
| XYZ | 47.5172, 49.9095, 8.4259 |
| YIQ | 177.9200, 71.7610, -39.5270 |

Conversions

Conversions Part 2

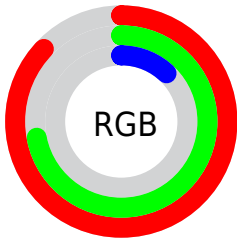
| Format | Color |
|-------------------------------------|--|
| RYB | 78, 222, 31 |
| Decimal | 14596127 |
| CIELab | 76.01, 0.22, 73.42 |
| CIELCh | 76, 73.417, 89.827 |
| Yxy | 49.9095, 0.4489, 0.4715 |
| Android (android.graphics.Color) | 4292786207 (0xFFDEB81F) |
| YUV | 177.9200, -72.4316, 38.6582 |
| Hunter-Lab | 70.6467, -3.5718, 42.3813 |

Details

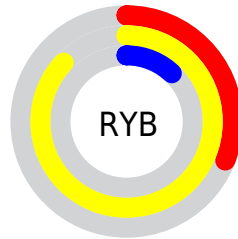
The Yxy color **49.9095, 0.4489, 0.4715** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **9.8278, 0.1656, 0.1025**, and the grayscale version is **44.8417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3883, 0.4094, 0.4643**, and **23.9140, 0.4573, 0.4751** is the 20% darker color. If you saturate the color by 10%, you get **48.0245, 0.4572, 0.4731**, and if you desaturate by 10%, it is **51.9371, 0.4376, 0.4652**.

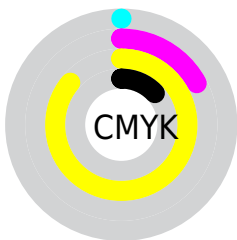
Distribution



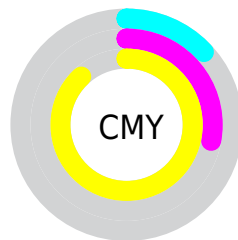
- Red (87%)
- Green (72%)
- Blue (12%)



- Red (31%)
- Yellow (87%)
- Blue (12%)



- Cyan (0%)
- Magenta (17%)
- Yellow (86%)
- Black (13%)





- Cyan (13%)
- Magenta (28%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9095, 0.4489, 0.4715 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 49.9095, 0.4489, 0.4715 by changing the saturation by 10% instead.


 49.9095, 0.4489,
0.4715

 49.9095, 0.4489,
0.4715


386.3119, 0.3897,
0.4097

 35.3415, 0.4593,
0.4823


 90.0408, 0.4305,
0.4523


 23.9261, 0.4699,
0.4934


 116.3728, 0.4226,
0.4440

 15.2788, 0.4813,
0.5051


 147.3950, 0.4155,
0.4367

 9.0153, 0.4880,
0.5120

 183.4918, 0.4092,
0.4301

 4.7511, 0.4882,
0.5118

 225.0474, 0.4036,
0.4242

 2.1020, 0.4885,
0.5115

 272.4464, 0.3985,

 0.6658, 0.4894,

0.4188

0.5106

326.0731, 0.3939,
0.4140

■ 0.0000, 0.0000,
0.0000

■ 49.9095, 0.4489,
0.4715

■ 49.9095, 0.4489,
0.4715

■ 48.0245, 0.4572,
0.4731

■ 51.9371, 0.4376,
0.4652

■ 47.3035, 0.4600,
0.4729

■ 54.1148, 0.4237,
0.4544

■ 56.4571, 0.4077,
0.4397

■ 58.9744, 0.3904,
0.4220

■ 61.6760, 0.3726,
0.4024

■ 64.5704, 0.3549,
0.3818

■ 67.6651, 0.3379,
0.3611

■ 70.9675, 0.3218,
0.3408

■ 74.4844, 0.3070,
0.3214

Harmonies

Analogous

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



49.9095, 0.5012, 0.4038



49.9095, 0.4489, 0.4715



49.9095, 0.3658, 0.5142

Triad

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



49.9095, 0.4489, 0.4715



49.9095, 0.1566, 0.2786



49.9095, 0.3281, 0.2211

Complementary

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



49.9095, 0.4489, 0.4715



9.8278, 0.1656, 0.1025

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.



49.9095, 0.2365, 0.1910



49.9095, 0.4489, 0.4715



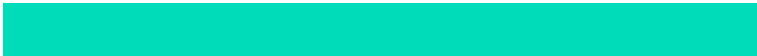
49.9095, 0.1510, 0.2129

Square

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



49.9095, 0.4489, 0.4715



49.9095, 0.1979, 0.3848



49.9095, 0.1771, 0.1867



49.9095, 0.4304, 0.2721

Rectangle

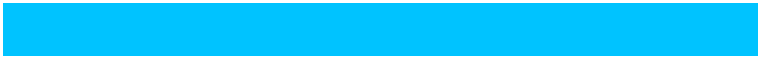
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9095, 0.4489, 0.4715



49.9095, 0.3042, 0.5057



49.9095, 0.1771, 0.1867



49.9095, 0.2946, 0.2084

Sweetspot

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



49.9119, 0.4489, 0.4715



88.3072, 0.3552, 0.3821



16.9462, 0.5670, 0.3031



18.5992, 0.3613, 0.3894



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.



49.9119, 0.4489, 0.4715



64.5580, 0.4604, 0.4726



60.3225, 0.3706, 0.5343



15.5417, 0.3272, 0.3476



28.2513, 0.4593, 0.4735



2.0776, 0.4520, 0.4793

Inverse Universe

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



9.8278, 0.1656, 0.1025



9.5671, 0.1547, 0.0770



8.3461, 0.1850, 0.0870



13.6829, 0.2981, 0.3096



4.3363, 0.1556, 0.0800



0.4265, 0.1632, 0.1075

Previews

White Background



This preview shows how the Yxy color 49.9095, 0.4489, 0.4715 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 49.9095, 0.4489, 0.4715 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 49.9095, 0.4489, 0.4715

Background



This preview shows how black text looks on a background with the Yxy color 49.9095, 0.4489, 0.4715.



This preview shows how white text looks on a background with the Yxy color 49.9095, 0.4489, 0.4715.

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

49.9095, 0.4489, 0.4715

Protanopia

49.9196, 0.4352, 0.4816

Deuteranopia

49.9667, 0.4665, 0.4557



Tritanopia

49.7423, 0.3571, 0.3144

Trichromacy



Original Color

49.9095, 0.4489, 0.4715

Protanomaly

50.0920, 0.4396, 0.4782

Deuteranomaly

49.9138, 0.4606, 0.4608

Tritanomaly

49.1032, 0.4026, 0.3845

Monochromacy



Original Color

49.9095, 0.4489, 0.4715

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.5925, 0.3713, 0.4005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9095, 0.4489, 0.4715 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(222, 184, 31)` looks like.

```
.text, #text, p{  
    color:rgb(222, 184, 31)  
}
```

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(222, 184, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 184, 31) }
```

Border

The CSS property to change the border of an element to Yxy 49.9095, 0.4489, 0.4715 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(222, 184, 31) }
```

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

```
.border{ border-color:rgb(222, 184, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 184, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 184, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 184, 31);  
box-shadow:4px 4px 4px 4px rgb(222, 184,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9095, 0.4489, 0.4715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 184, 31) }
```

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

```
.background{ background-color: rgb(222,  
184, 31) }
```

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