

Converting Colors

Yxy(49.8169, 0.4067, 0.4016)

Have a look what the booklet for
Yxy(49.8169, 0.4067, 0.4016)
contains.

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Color

Yxy(49.9344, 0.4069, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	E1B475
RGB	225, 180, 117
RGB Percent	88%, 71%, 46%
CMY	0.1177, 0.2941, 0.5413
CMYK	0.00, 0.20, 0.48, 0.12
HSL	35°, 64%, 67%
HSV	35°, 48%, 88%
XYZ	50.5808, 49.9344, 23.7925
YIQ	186.2730, 47.0430, -10.0530

Conversions

Conversions Part 2

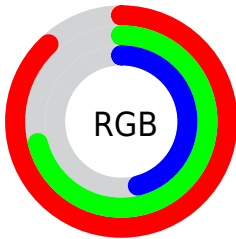
Format	Color
RYB	194, 225, 117
Decimal	14791797
CIELab	76.03, 8.51, 38.21
CIELCh	76, 39.143, 77.447
Yxy	49.9344, 0.4069, 0.4017
Android (android.graphics.Color)	4292981877 (0xFFE1B475)
YUV	186.2730, -34.1516, 33.9636
Hunter-Lab	70.6643, 4.1061, 29.5022

Details

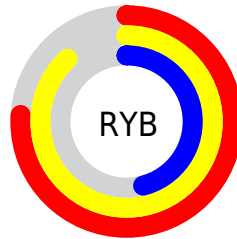
The Yxy color **49.9344, 0.4069, 0.4017** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.0409, 0.2332, 0.2415**, and the grayscale version is **49.4391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1532, 0.3689, 0.3955**, and **23.7995, 0.4309, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **45.8134, 0.4309, 0.4148**, and if you desaturate by 10%, it is **54.4431, 0.3839, 0.3868**.

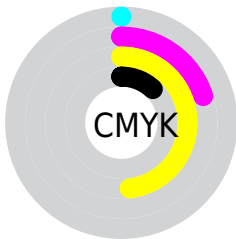
Distribution



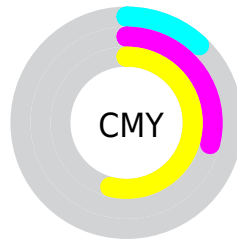
- Red (88%)
- Green (71%)
- Blue (46%)



- Red (76%)
- Yellow (88%)
- Blue (46%)



- Cyan (0%)
- Magenta (20%)
- Yellow (48%)
- Black (12%)



- Cyan (12%)
- Magenta (29%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9344, 0.4069, 0.4017 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 49.9344, 0.4069, 0.4017 by changing the saturation by 10% instead.


 49.9344, 0.4069,
0.4017


 49.9344, 0.4069,
0.4017


386.4094, 0.3610,
0.3677

 35.3613, 0.4176,
0.4092


 90.0777, 0.3907,
0.3901

 23.9413, 0.4309,
0.4180


 116.4166, 0.3845,
0.3855

 15.2901, 0.4475,
0.4286


 147.4463, 0.3791,
0.3815

 9.0232, 0.4684,
0.4408

183.5511, 0.3745,
0.3780

 4.7563, 0.4983,
0.4569

225.1154, 0.3705,
0.3750

 2.1050, 0.5321,
0.4679

272.5236, 0.3669,

 0.6674, 0.5578,

0.3723

0.4422

326.1601, 0.3638,
0.3699

0.0000, 0.0000,
0.0000

49.9344, 0.4069,
0.4017

49.9344, 0.4069,
0.4017

45.8134, 0.4309,
0.4148

54.4431, 0.3839,
0.3868

42.0586, 0.4549,
0.4251

59.3456, 0.3624,
0.3713

38.6568, 0.4777,
0.4312


64.6566, 0.3429,
0.3557


35.5902, 0.4980,
0.4323


70.3878, 0.3254,
0.3406


32.8359, 0.5147,
0.4281

76.5503, 0.3098,
0.3262

 32.3197, 0.5179,
0.4270

 83.1546, 0.2960,
0.3128

 88.8931, 0.2944,
0.3194

 94.7251, 0.2946,
0.3289

 94.7467, 0.2946,
0.3289

Harmonies

Analogous

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



49.9344, 0.4195, 0.3636



49.9344, 0.4069, 0.4017



49.9344, 0.3688, 0.4246

Triad

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



49.9344, 0.4069, 0.4017



49.9344, 0.2312, 0.3273



49.9344, 0.3006, 0.2562

Complementary

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



49.9344, 0.4069, 0.4017



35.0409, 0.2332, 0.2415

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.



49.9344, 0.2536, 0.2445



49.9344, 0.4069, 0.4017



49.9344, 0.2164, 0.2802

Square

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



49.9344, 0.4069, 0.4017



49.9344, 0.2673, 0.3810



49.9344, 0.2243, 0.2519



49.9344, 0.3552, 0.2836

Rectangle

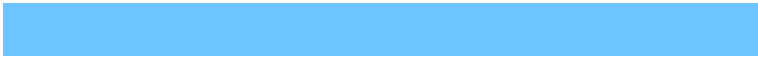
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9344, 0.4069, 0.4017



49.9344, 0.3351, 0.4245



49.9344, 0.2243, 0.2519



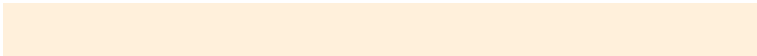
49.9344, 0.2834, 0.2504

Sweetspot

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



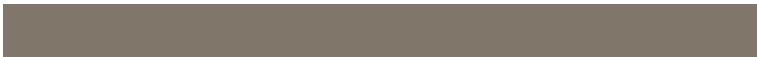
49.9368, 0.4069, 0.4017



88.7890, 0.3358, 0.3497



31.3304, 0.3882, 0.2769



18.6562, 0.3397, 0.3530



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.



49.9368, 0.4069, 0.4017



60.6448, 0.4318, 0.4153



69.7289, 0.3762, 0.4488



15.0228, 0.3277, 0.3427



18.8609, 0.5160, 0.4285



1.4829, 0.4971, 0.4435

Inverse Universe

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



35.0409, 0.2332, 0.2415



38.6130, 0.2162, 0.2183



22.5853, 0.2280, 0.1804



14.1764, 0.2981, 0.3149



7.9335, 0.1699, 0.1318



0.7237, 0.1784, 0.1622

Previews

White Background



This preview shows how the Yxy color 49.9344, 0.4069, 0.4017 looks on a white background.

Color Contrast Check

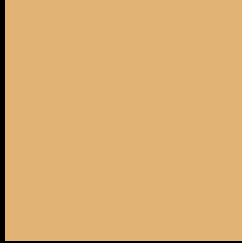
Large Text (above 18pt) WCAG AA × Fail

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 49.9344, 0.4069, 0.4017 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 49.9344, 0.4069, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 49.9344, 0.4069, 0.4017.



This preview shows how white text looks on a background with the Yxy color 49.9344, 0.4069, 0.4017.

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

49.9344, 0.4069, 0.4017

Protanopia

50.1599, 0.3810, 0.4130

Deuteranopia

49.8554, 0.4093, 0.4000



Tritanopia

49.9968, 0.3550, 0.3144

Trichromacy



Original Color

49.9344, 0.4069, 0.4017

Protanomaly

50.0269, 0.3906, 0.4086

Deuteranomaly

49.6933, 0.4084, 0.4003

Tritanomaly

49.8560, 0.3752, 0.3465

Monochromacy



Original Color

49.9344, 0.4069, 0.4017

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1335, 0.3454, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9344, 0.4069, 0.4017 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(225, 180, 117)` looks like.

```
.text, #text, p{  
    color:rgb(225, 180, 117)  
}
```

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(225, 180, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 180, 117) }
```

Border

The CSS property to change the border of an element to Yxy 49.9344, 0.4069, 0.4017 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(225, 180, 117) }
```

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

```
.border{ border-color:rgb(225, 180, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 180, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 180, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 180, 117); box-shadow:4px 4px 4px 4px rgb(225, 180, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9344, 0.4069, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 180, 117) }
```

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

```
.background{ background-color: rgb(225,  
180, 117) }
```

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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