

Converting Colors

$Y_{xy}(45.0276, 0.4354, 0.4099)$

Have a look what the booklet for
Yxy(45.0276, 0.4354, 0.4099)
contains.

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Color

Yxy(44.9576, 0.4360, 0.4094)

Conversions

Conversions Part 1

Format	Color
Hex	E4A75F
RGB	228, 167, 95
RGB Percent	89%, 65%, 37%
CMY	0.1059, 0.3451, 0.6275
CMYK	0.00, 0.27, 0.58, 0.11
HSL	32°, 71%, 63%
HSV	32°, 58%, 89%
XYZ	47.8786, 44.9576, 16.9771
YIQ	177.0310, 59.4680, -9.4600

Conversions

Conversions Part 2

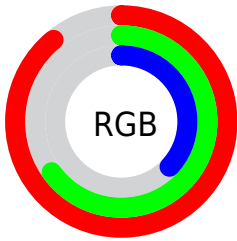
Format	Color
R_{YB}	208, 228, 95
Decimal	14985055
CIE _{Lab}	72.86, 14.80, 45.57
CIE _{LCh}	73, 47.911, 72.004
Yxy	44.9576, 0.4360, 0.4094
Android (android.graphics.Color)	4293175135 (0xFFE4A75F)
YUV	177.0310, -40.4413, 44.6998
Hunter-Lab	67.0504, 10.1231, 31.9231

Details

The Yxy color **44.9576, 0.4360, 0.4094** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **31.8039, 0.2181, 0.2266**, and the grayscale version is **44.1773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6091, 0.3892, 0.4052**, and **20.8859, 0.4672, 0.4249** is the 20% darker color. If you saturate the color by 10%, you get **40.9268, 0.4619, 0.4186**, and if you desaturate by 10%, it is **49.4238, 0.4105, 0.3973**.

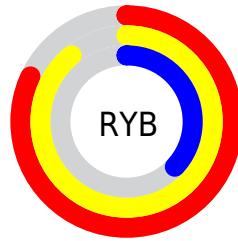
Distribution



Red (89%)

Green (65%)

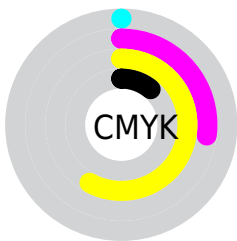
Blue (37%)



Red (82%)

Yellow (89%)

Blue (37%)

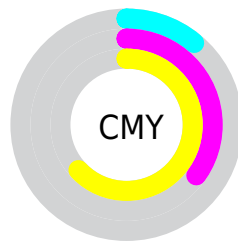


Cyan (0%)

Magenta (27%)

Yellow (58%)

Black (11%)



Cyan (11%)

Magenta (35%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9576, 0.4360, 0.4094 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 44.9576, 0.4360, 0.4094 by changing the saturation by 10% instead.


 44.9576, 0.4360,
0.4094

 44.9576, 0.4360,
0.4094


366.6018, 0.3754,
0.3731

 31.4240, 0.4500,
0.4166

 82.6568, 0.4147,
0.3974


 20.9219, 0.4671,
0.4247

 107.5912, 0.4064,
0.3926

 13.0670, 0.4880,
0.4331


 137.0947, 0.3994,
0.3883

 7.4747, 0.5136,
0.4407

 171.5516, 0.3933,
0.3845

 3.7607, 0.5506,
0.4494

211.3464, 0.3879,
0.3812

 1.5406, 0.5711,
0.4289

256.8634, 0.3833,

 0.3171, 0.6764,

0.3782

0.3236

308.4871, 0.3791,
0.3755

0.0000, 0.0000,
0.0000

44.9576, 0.4360,
0.4094

44.9576, 0.4360,
0.4094

40.9268, 0.4619,
0.4186

49.4238, 0.4105,
0.3973

37.3066, 0.4867,
0.4237

54.3355, 0.3863,
0.3834

34.0788, 0.5089,
0.4236

59.7104, 0.3640,
0.3689

31.2168, 0.5274,
0.4182

65.5629, 0.3439,
0.3543

30.7718, 0.5304,
0.4171

71.9067, 0.3260,
0.3402

■ 78.7550, 0.3102,
0.3268

■ 86.1202, 0.2964,
0.3144

■ 92.4874, 0.2963,
0.3246

■ 95.2339, 0.2964,
0.3290

Harmonies

Analogous

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



44.9576, 0.4465, 0.3598



44.9576, 0.4360, 0.4094



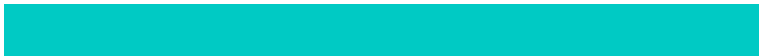
44.9576, 0.3916, 0.4460

Triad

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



44.9576, 0.4360, 0.4094



44.9576, 0.2172, 0.3381



44.9576, 0.2848, 0.2354

Complementary

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



44.9576, 0.4360, 0.4094



31.8039, 0.2181, 0.2266

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.



44.9576, 0.2306, 0.2247



44.9576, 0.4360, 0.4094



44.9576, 0.1951, 0.2751

Square

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



44.9576, 0.4360, 0.4094



44.9576, 0.2650, 0.4077



44.9576, 0.2000, 0.2368



44.9576, 0.3535, 0.2654

Rectangle

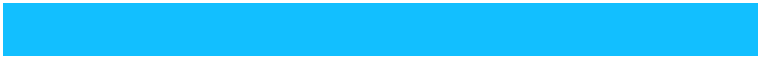
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.9576, 0.4360, 0.4094



44.9576, 0.3508, 0.4534



44.9576, 0.2000, 0.2368



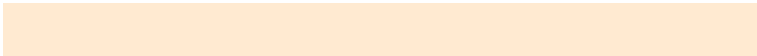
44.9576, 0.2645, 0.2295

Sweetspot

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



44.9598, 0.4360, 0.4094



84.6870, 0.3434, 0.3540



27.1124, 0.4047, 0.2601



17.6390, 0.3491, 0.3582



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.



44.9598, 0.4360, 0.4094



51.7330, 0.4672, 0.4201



72.0906, 0.3922, 0.4679



15.6544, 0.3279, 0.3417



18.0089, 0.5282, 0.4188



1.5161, 0.5080, 0.4348

Inverse Universe

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



31.8039, 0.2181, 0.2266



33.3508, 0.2010, 0.2009



16.4600, 0.2023, 0.1430



14.9706, 0.2981, 0.3159



9.2466, 0.1735, 0.1447



0.8673, 0.1812, 0.1724

Previews

White Background



This preview shows how the Yxy color 44.9576, 0.4360, 0.4094 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 44.9576, 0.4360, 0.4094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

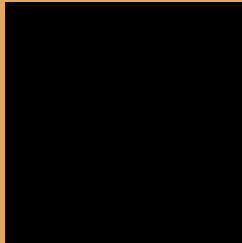
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9576, 0.4360, 0.4094

Background



This preview shows how black text looks on a background with the Yxy color 44.9576, 0.4360, 0.4094.



This preview shows how white text looks on a background with the Yxy color 44.9576, 0.4360, 0.4094.

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

44.9576, 0.4360, 0.4094

Protanopia

45.0114, 0.3953, 0.4298

Deuteranopia

45.1496, 0.4264, 0.4176



Tritanopia

44.8484, 0.3758, 0.3155

Trichromacy



Original Color

44.9576, 0.4360, 0.4094

Protanomaly

44.9517, 0.4091, 0.4223

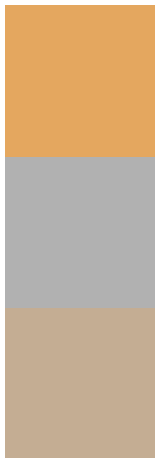
Deuteranomaly

45.2456, 0.4299, 0.4154

Tritanomaly

44.6287, 0.3998, 0.3500

Monochromacy



Original Color

44.9576, 0.4360, 0.4094

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.7295, 0.3567, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9576, 0.4360, 0.4094 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(228, 167, 95)` looks like.

```
.text, #text, p{  
    color:rgb(228, 167, 95)  
}
```

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(228, 167, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 167, 95) }
```

Border

The CSS property to change the border of an element to Yxy 44.9576, 0.4360, 0.4094 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(228, 167, 95) }
```

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

```
.border{ border-color:rgb(228, 167, 95) }
```

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

Here you see how a box with a 4 pixel rgb(228, 167, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 167, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 167, 95);  
box-shadow:4px 4px 4px 4px rgb(228, 167,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9576, 0.4360, 0.4094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 167, 95) }
```

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

```
.background{ background-color: rgb(228,  
167, 95) }
```

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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