

Converting Colors

$Y_{xy}(49.7351, 0.4307, 0.4333)$

Have a look what the booklet for
Yxy(49.7351, 0.4307, 0.4333)
contains.

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Color

Yxy(49.8724, 0.4306, 0.4336)

Conversions

Conversions Part 1

Format	Color
Hex	E2B555
RGB	226, 181, 85
RGB Percent	89%, 71%, 33%
CMY	0.1138, 0.2902, 0.6665
CMYK	0.00, 0.20, 0.62, 0.11
HSL	41°, 71%, 61%
HSV	41°, 62%, 89%
XYZ	49.5273, 49.8724, 15.6196
YIQ	183.5110, 57.6360, -20.3160

Conversions

Conversions Part 2

Format	Color
RYB	151, 226, 85
Decimal	14857557
CIELab	75.99, 5.84, 53.91
CIELCh	76, 54.223, 83.818
Yxy	49.8724, 0.4306, 0.4336
Android (android.graphics.Color)	4293047637 (0xFFE2B555)
YUV	183.5110, -48.5659, 37.2629
Hunter-Lab	70.6204, 1.5995, 36.3207

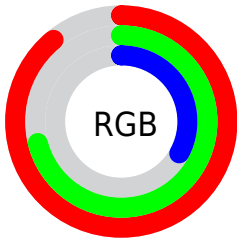
Details

The Yxy color **49.8724, 0.4306, 0.4336** is a light color, and the websafe version is hex **FFCC66**.

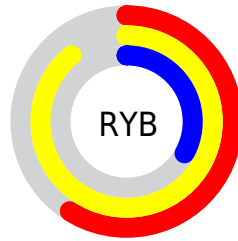
The color can be described as light muted orange. A complement of this color would be **23.3980, 0.2054, 0.1887**, and the grayscale version is **47.9013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6634, 0.3884, 0.4269**, and **23.7581, 0.4567, 0.4537** is the 20% darker color. If you saturate the color by 10%, you get **46.7129, 0.4500, 0.4441**, and if you desaturate by 10%, it is **53.3033, 0.4100, 0.4197**.

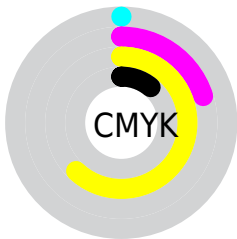
Distribution



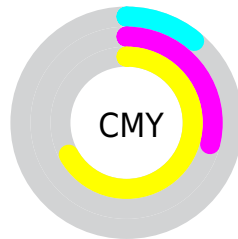
- Red (89%)
- Green (71%)
- Blue (33%)



- Red (59%)
- Yellow (89%)
- Blue (33%)



- Cyan (0%)
- Magenta (20%)
- Yellow (62%)
- Black (11%)




- Cyan (11%)
- Magenta (29%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8724, 0.4306, 0.4336 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 49.8724, 0.4306, 0.4336 by changing the saturation by 10% instead.


 49.8724, 0.4306,
0.4336

 49.8724, 0.4306,
0.4336


386.1667, 0.3752,
0.3860

 35.3120, 0.4425,
0.4432

 89.9858, 0.4117,
0.4179

 23.9033, 0.4564,
0.4541


 116.3076, 0.4043,
0.4115


 15.2619, 0.4724,
0.4658


 147.3187, 0.3978,
0.4059

 9.0034, 0.4913,
0.4785

 183.4034, 0.3921,
0.4009

 4.7434, 0.5111,
0.4889

 224.9462, 0.3871,
0.3966

 2.0975, 0.5184,
0.4816

272.3314, 0.3827,

 0.6632, 0.5382,

0.3927

0.4618

325.9434, 0.3787,
0.3892

0.0000, 0.0000,
0.0000

49.8724, 0.4306,
0.4336

49.8724, 0.4306,
0.4336

46.7129, 0.4500,
0.4441

53.3033, 0.4100,
0.4197

43.8040, 0.4673,
0.4500

57.0104, 0.3893,
0.4034

41.1319, 0.4815,
0.4509

61.0072, 0.3691,
0.3858

39.2334, 0.4906,
0.4487

65.3037, 0.3500,
0.3678

69.9095, 0.3324,
0.3500

■ 74.8335, 0.3163,
0.3329

■ 80.0841, 0.3018,
0.3168

■ 84.9512, 0.2949,
0.3124

■ 89.2526, 0.2950,
0.3198

Harmonies

Analogous

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



49.8724, 0.4591, 0.3827



49.8724, 0.4306, 0.4336



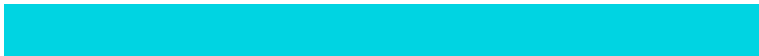
49.8724, 0.3720, 0.4640

Triad

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



49.8724, 0.4306, 0.4336



49.8724, 0.1964, 0.3085



49.8724, 0.3105, 0.2386

Complementary

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



49.8724, 0.4306, 0.4336



23.3980, 0.2054, 0.1887

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.



49.8724, 0.2438, 0.2183



49.8724, 0.4306, 0.4336



49.8724, 0.1846, 0.2500

Square

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



49.8724, 0.4306, 0.4336



49.8724, 0.2371, 0.3867



49.8724, 0.2008, 0.2208



49.8724, 0.3863, 0.2773

Rectangle

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



49.8724, 0.4306, 0.4336



49.8724, 0.3249, 0.4607



49.8724, 0.2008, 0.2208



49.8724, 0.2862, 0.2295

Sweetspot

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



49.8748, 0.4306, 0.4336



87.7905, 0.3441, 0.3619



24.3387, 0.4426, 0.2778



18.4256, 0.3494, 0.3671



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.



49.8748, 0.4306, 0.4336



60.1927, 0.4557, 0.4464



67.6717, 0.3813, 0.4839



15.2532, 0.3275, 0.3449



22.6074, 0.4892, 0.4498



1.7263, 0.4758, 0.4604

Inverse Universe

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



23.3980, 0.2054, 0.1887



22.9159, 0.1856, 0.1549



15.2171, 0.2072, 0.1357



13.9538, 0.2981, 0.3126



5.9763, 0.1625, 0.1050



0.5720, 0.1711, 0.1359

Previews

White Background



This preview shows how the Yxy color 49.8724, 0.4306, 0.4336 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 49.8724, 0.4306, 0.4336 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 49.8724, 0.4306, 0.4336

Background



This preview shows how black text looks on a background with the Yxy color 49.8724, 0.4306, 0.4336.



This preview shows how white text looks on a background with the Yxy color 49.8724, 0.4306, 0.4336.

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

49.8724, 0.4306, 0.4336

Protanopia

50.0645, 0.4080, 0.4468

Deuteranopia

49.6685, 0.4376, 0.4272



Tritanopia

49.6608, 0.3601, 0.3145

Trichromacy



Original Color

49.8724, 0.4306, 0.4336

Protanomaly

49.8169, 0.4171, 0.4416

Deuteranomaly

49.7351, 0.4351, 0.4291

Tritanomaly

49.3676, 0.3893, 0.3602

Monochromacy



Original Color

49.8724, 0.4306, 0.4336

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.1472, 0.3556, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8724, 0.4306, 0.4336 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(226, 181, 85)` looks like.

```
.text, #text, p{  
    color:rgb(226, 181, 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(226, 181, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 181, 85) }
```

Border

The CSS property to change the border of an element to Yxy 49.8724, 0.4306, 0.4336 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(226, 181, 85) }
```

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

```
.border{ border-color:rgb(226, 181, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 181, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 181, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 181, 85);  
box-shadow:4px 4px 4px 4px rgb(226, 181,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8724, 0.4306, 0.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 181, 85) }
```

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

```
.background{ background-color: rgb(226,  
181, 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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