

Converting Colors

$Y_{xy}(49.9249, 0.4320, 0.4133)$

Have a look what the booklet for
Yxy(49.9249, 0.4320, 0.4133)
contains.

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Color

Yxy(50.0073, 0.4319, 0.4135)

Conversions

Conversions Part 1

Format	Color
Hex	EBB163
RGB	235, 177, 99
RGB Percent	92%, 69%, 39%
CMY	0.0785, 0.3058, 0.6119
CMYK	0.00, 0.25, 0.58, 0.08
HSL	34°, 77%, 65%
HSV	34°, 58%, 92%
XYZ	52.2325, 50.0073, 18.6968
YIQ	185.4500, 59.6060, -11.9620

Conversions

Conversions Part 2

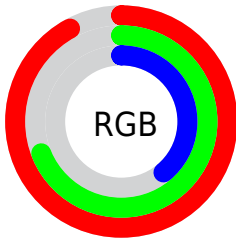
Format	Color
R _Y B	200, 235, 99
Decimal	15446371
CIE Lab	76.07, 12.68, 47.58
CIE LCh	76, 49.243, 75.081
Yxy	50.0073, 0.4319, 0.4135
Android (android.graphics.Color)	4293636451 (0xFFEBB163)
YUV	185.4500, -42.6198, 43.4554
Hunter-Lab	70.7158, 8.0920, 33.8252

Details

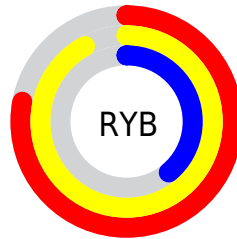
The Yxy color **50.0073, 0.4319, 0.4135** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.7483, 0.2173, 0.2210**, and the grayscale version is **48.9968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8048, 0.3815, 0.4104**, and **24.1191, 0.4596, 0.4298** is the 20% darker color. If you saturate the color by 10%, you get **45.8104, 0.4564, 0.4236**, and if you desaturate by 10%, it is **54.6303, 0.4075, 0.4005**.

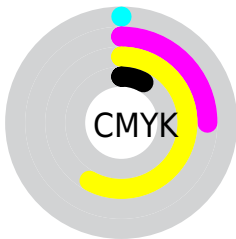
Distribution



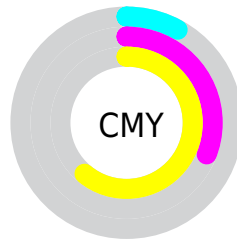
- Red (92%)
- Green (69%)
- Blue (39%)



- Red (78%)
- Yellow (92%)
- Blue (39%)



- Cyan (0%)
- Magenta (25%)
- Yellow (58%)
- Black (8%)





- Cyan (8%)
- Magenta (31%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0073, 0.4319, 0.4135 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 50.0073, 0.4319, 0.4135 by changing the saturation by 10% instead.


 50.0073, 0.4319,
0.4135


 50.0073, 0.4319,
0.4135


386.6945, 0.3746,
0.3756


 35.4192, 0.4448,
0.4211


 90.1857, 0.4120,
0.4010

 23.9860, 0.4604,
0.4296


 116.5448, 0.4042,
0.3960

 15.3232, 0.4793,
0.4389


 147.5963, 0.3975,
0.3915

 9.0465, 0.5017,
0.4477

 183.7247, 0.3917,
0.3876

 4.7715, 0.5379,
0.4621

225.3143, 0.3866,
0.3841

 2.1139, 0.5529,
0.4471

272.7495, 0.3821,

 0.6724, 0.5864,

0.3809

0.4136

326.4148, 0.3782,
0.3781

0.0000, 0.0000,
0.0000

50.0073, 0.4319,
0.4135

50.0073, 0.4319,
0.4135

45.8104, 0.4564,
0.4236

54.6303, 0.4075,
0.4005

42.0144, 0.4797,
0.4295

59.6885, 0.3842,
0.3859

38.6016, 0.5005,
0.4303

65.1993, 0.3625,
0.3705

35.5464, 0.5177,
0.4257

71.1768, 0.3428,
0.3551

34.9385, 0.5211,
0.4244

77.6346, 0.3252,
0.3402

■ 84.5852, 0.3096,
0.3261

■ 91.4832, 0.3005,
0.3212

■ 96.4010, 0.3005,
0.3290

Harmonies

Analogous

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



50.0073, 0.4462, 0.3649



50.0073, 0.4319, 0.4135



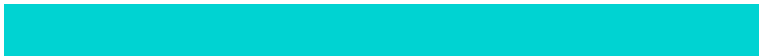
50.0073, 0.3853, 0.4473

Triad

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



50.0073, 0.4319, 0.4135



50.0073, 0.2144, 0.3309



50.0073, 0.2916, 0.2383

Complementary

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



50.0073, 0.4319, 0.4135



32.7483, 0.2173, 0.2210

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.



50.0073, 0.2357, 0.2255



50.0073, 0.4319, 0.4135



50.0073, 0.1952, 0.2705

Square

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



50.0073, 0.4319, 0.4135



50.0073, 0.2596, 0.4006



50.0073, 0.2027, 0.2351



50.0073, 0.3602, 0.2698

Rectangle

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



50.0073, 0.4319, 0.4135



50.0073, 0.3439, 0.4518



50.0073, 0.2027, 0.2351



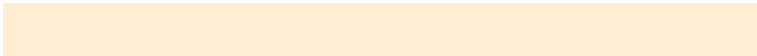
50.0073, 0.2708, 0.2318

Sweetspot

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



50.0097, 0.4319, 0.4135



86.2870, 0.3413, 0.3539



29.0455, 0.4100, 0.2653



18.1463, 0.3451, 0.3569



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.



50.0097, 0.4319, 0.4135



54.4659, 0.4598, 0.4247



76.4696, 0.3884, 0.4692



16.4890, 0.3278, 0.3425



19.7046, 0.5191, 0.4261



1.7374, 0.5015, 0.4400

Inverse Universe

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



32.7483, 0.2173, 0.2210



32.0136, 0.2004, 0.1953



18.1074, 0.2060, 0.1455



15.6046, 0.2980, 0.3151



8.6710, 0.1707, 0.1344



0.8681, 0.1782, 0.1614

Previews

White Background



This preview shows how the Yxy color 50.0073, 0.4319, 0.4135 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 50.0073, 0.4319, 0.4135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

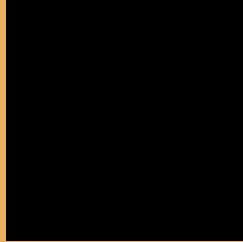
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0073, 0.4319, 0.4135

Background



This preview shows how black text looks on a background with the Yxy color 50.0073, 0.4319, 0.4135.



This preview shows how white text looks on a background with the Yxy color 50.0073, 0.4319, 0.4135.

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

50.0073, 0.4319, 0.4135

Protanopia

50.2111, 0.3964, 0.4311

Deuteranopia

49.9640, 0.4260, 0.4173



Tritanopia

50.1778, 0.3706, 0.3160

Trichromacy



Original Color

50.0073, 0.4319, 0.4135

Protanomaly

49.9920, 0.4087, 0.4243

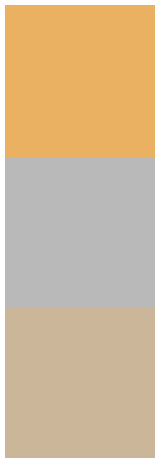
Deuteranomaly

49.8974, 0.4285, 0.4156

Tritanomaly

49.7109, 0.3943, 0.3516

Monochromacy



Original Color

50.0073, 0.4319, 0.4135

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.4855, 0.3545, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0073, 0.4319, 0.4135 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(235, 177, 99)` looks like.

```
.text, #text, p{  
    color:rgb(235, 177, 99)  
}
```

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(235, 177, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 177, 99) }
```

Border

The CSS property to change the border of an element to Yxy 50.0073, 0.4319, 0.4135 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(235, 177, 99) }
```

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

```
.border{ border-color:rgb(235, 177, 99) }
```

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

Here you see how a box with a 4 pixel rgb(235, 177, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 177, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 177, 99);  
box-shadow:4px 4px 4px 4px rgb(235, 177,  
99) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 50.0073, 0.4319, 0.4135$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 177, 99) }
```

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

```
.background{ background-color: rgb(235,  
177, 99) }
```

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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