

Converting Colors

$Y_{xy}(50.4365, 0.4089, 0.3823)$

Have a look what the booklet for
Yxy(50.4365, 0.4089, 0.3823)
contains.

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Color

Yxy(50.4685, 0.4091, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	ECB081
RGB	236, 176, 129
RGB Percent	93%, 69%, 51%
CMY	0.0743, 0.3099, 0.4941
CMYK	0.00, 0.25, 0.45, 0.07
HSL	26°, 74%, 72%
HSV	26°, 45%, 93%
XYZ	54.0913, 50.4685, 27.6605
YIQ	188.5820, 50.8470, -1.8970

Conversions

Conversions Part 2

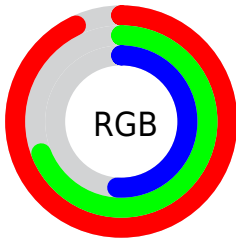
Format	Color
R_{YB}	236, 213, 129
Decimal	15511681
CIE _{Lab}	76.36, 16.26, 32.57
CIE _{LCh}	76, 36.402, 63.464
Yxy	50.4685, 0.4091, 0.3817
Android (android.graphics.Color)	4293701761 (0xFFECB081)
YUV	188.5820, -29.3739, 41.5856
Hunter-Lab	71.0412, 11.5893, 26.6438

Details

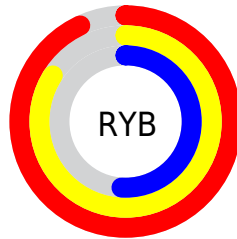
The Yxy color **50.4685, 0.4091, 0.3817** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **47.1494, 0.2412, 0.2682**, and the grayscale version is **50.7895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3506, 0.3621, 0.3797**, and **24.1954, 0.4352, 0.3921** is the 20% darker color. If you saturate the color by 10%, you get **44.9716, 0.4379, 0.3921**, and if you desaturate by 10%, it is **56.6220, 0.3828, 0.3701**.

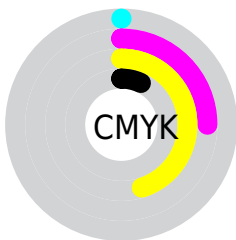
Distribution



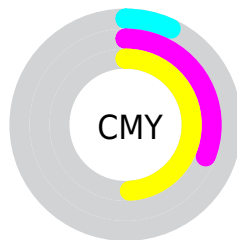
- Red (93%)
- Green (69%)
- Blue (51%)



- Red (93%)
- Yellow (84%)
- Blue (51%)



- Cyan (0%)
- Magenta (25%)
- Yellow (45%)
- Black (7%)





- Cyan (7%)
- Magenta (31%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4685, 0.4091, 0.3817 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 50.4685, 0.4091, 0.3817 by changing the saturation by 10% instead.


 50.4685, 0.4091,
0.3817


 50.4685, 0.4091,
0.3817


388.4952, 0.3616,
0.3578

 35.7858, 0.4205,
0.3868


 90.8686, 0.3921,
0.3737

 24.2688, 0.4348,
0.3927


 117.3549, 0.3857,
0.3704

 15.5331, 0.4530,
0.3996


 148.5444, 0.3802,
0.3676

 9.1944, 0.4769,
0.4072

184.8216, 0.3754,
0.3652

 4.8682, 0.5089,
0.4145

226.5709, 0.3713,
0.3630

 2.1701, 0.5696,
0.4304

274.1767, 0.3677,

 0.7036, 0.6069,

0.3611

328.0233, 0.3645,
0.3593

0.3931

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.4685, 0.4091,
0.3817

50.4685, 0.4091,
0.3817

44.9716, 0.4379,
0.3921

56.6220, 0.3828,
0.3701

40.0993, 0.4683,
0.4000


63.4479, 0.3594,
0.3580


35.8277, 0.4987,
0.4041


70.9702, 0.3389,
0.3461


32.1276, 0.5271,
0.4033

79.2096, 0.3212,
0.3348

 28.9658, 0.5511,
0.3969

 88.1858, 0.3059,
0.3241

 27.6614, 0.5610,
0.3927

 96.5807, 0.3012,
0.3290

Harmonies

Analogous

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



50.4685, 0.4070, 0.3434



50.4685, 0.4091, 0.3817



50.4685, 0.3838, 0.4106

Triad

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



50.4685, 0.4091, 0.3817



50.4685, 0.2505, 0.3511



50.4685, 0.2796, 0.2538

Complementary

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



50.4685, 0.4091, 0.3817



47.1494, 0.2412, 0.2682

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.



50.4685, 0.2426, 0.2510



50.4685, 0.4091, 0.3817



50.4685, 0.2267, 0.3027

Square

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



50.4685, 0.4091, 0.3817



50.4685, 0.2915, 0.3962



50.4685, 0.2242, 0.2673



50.4685, 0.3287, 0.2731

Rectangle

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



50.4685, 0.4091, 0.3817



50.4685, 0.3561, 0.4188



50.4685, 0.2242, 0.2673



50.4685, 0.2655, 0.2509

Sweetspot

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



50.4709, 0.4091, 0.3817



85.7892, 0.3365, 0.3446



37.2454, 0.3643, 0.2624



17.9263, 0.3406, 0.3472



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.



50.4709, 0.4091, 0.3817



54.2878, 0.4346, 0.3910



75.4144, 0.3830, 0.4339



16.1419, 0.3282, 0.3394



15.4890, 0.5583, 0.3949



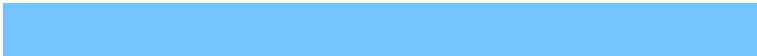
1.4049, 0.5344, 0.4139

Inverse Universe

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



47.1494, 0.2412, 0.2682



49.8572, 0.2281, 0.2536



28.3744, 0.2285, 0.1963



15.9511, 0.2981, 0.3184



12.7598, 0.1830, 0.1789



1.1930, 0.1893, 0.2015

Previews

White Background



This preview shows how the Yxy color 50.4685, 0.4091, 0.3817 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 50.4685, 0.4091, 0.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

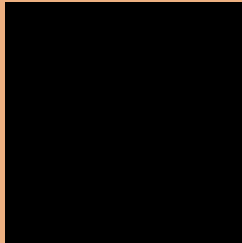
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4685, 0.4091, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 50.4685, 0.4091, 0.3817.



This preview shows how white text looks on a background with the Yxy color 50.4685, 0.4091, 0.3817.

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

50.4685, 0.4091, 0.3817

Protanopia

50.8129, 0.3687, 0.3975

Deuteranopia

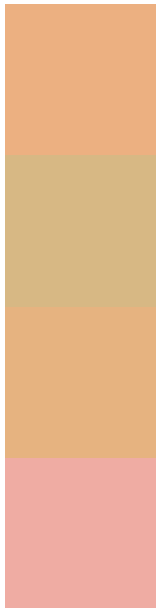
50.3698, 0.3987, 0.3893



Tritanopia

50.4541, 0.3676, 0.3148

Trichromacy



Original Color

50.4685, 0.4091, 0.3817

Protanomaly

50.3940, 0.3833, 0.3916

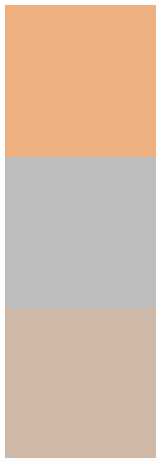
Deuteranomaly

50.6217, 0.4029, 0.3873

Tritanomaly

50.5001, 0.3827, 0.3393

Monochromacy



Original Color

50.4685, 0.4091, 0.3817

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.1928, 0.3457, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4685, 0.4091, 0.3817 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(236, 176, 129)` looks like.

```
.text, #text, p{  
    color:rgb(236, 176, 129)  
}
```

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(236, 176, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 176, 129) }
```

Border

The CSS property to change the border of an element to Yxy 50.4685, 0.4091, 0.3817 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(236, 176, 129) }
```

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

```
.border{ border-color:rgb(236, 176, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 176, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 176, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 176, 129);  
box-shadow:4px 4px 4px 4px rgb(236, 176,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4685, 0.4091, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 176, 129) }
```

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

```
.background{ background-color: rgb(236,  
176, 129) }
```

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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