

Converting Colors

$Y_{xy}(49.2766, 0.4241, 0.4001)$

Have a look what the booklet for
Yxy(49.2766, 0.4241, 0.4001)
contains.

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Color

Yxy(49.4479, 0.4247, 0.4008)

Conversions

Conversions Part 1

Format	Color
Hex	EBAF6E
RGB	235, 175, 110
RGB Percent	92%, 69%, 43%
CMY	0.0786, 0.3136, 0.5687
CMYK	0.00, 0.26, 0.53, 0.08
HSL	31°, 76%, 68%
HSV	31°, 53%, 92%
XYZ	52.3965, 49.4479, 21.5286
YIQ	185.5300, 56.6250, -7.4950

Conversions

Conversions Part 2

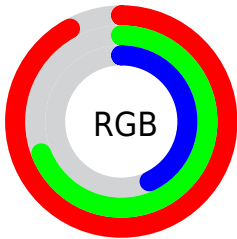
Format	Color
R_{YB}	225, 235, 110
Decimal	15445870
CIE _{Lab}	75.73, 14.59, 41.64
CIE _{LCh}	76, 44.121, 70.688
Yxy	49.4479, 0.4247, 0.4008
Android (android.graphics.Color)	4293635950 (0xFFEBAF6E)
YUV	185.5300, -37.2363, 43.3852
Hunter-Lab	70.3192, 9.9460, 31.0715

Details

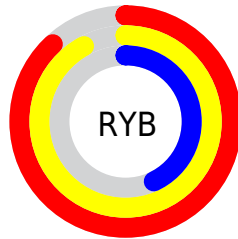
The Yxy color **49.4479, 0.4247, 0.4008** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.0318, 0.2267, 0.2410**, and the grayscale version is **49.0142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0562, 0.3751, 0.3978**, and **23.7223, 0.4525, 0.4160** is the 20% darker color. If you saturate the color by 10%, you get **44.7986, 0.4514, 0.4112**, and if you desaturate by 10%, it is **54.6038, 0.3990, 0.3881**.

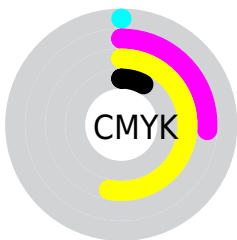
Distribution



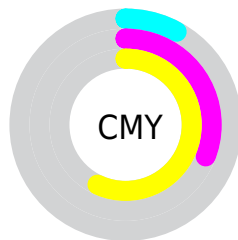
- Red (92%)
- Green (69%)
- Blue (43%)



- Red (88%)
- Yellow (92%)
- Blue (43%)



- Cyan (0%)
- Magenta (26%)
- Yellow (53%)
- Black (8%)





- Cyan (8%)
- Magenta (31%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4479, 0.4247, 0.4008 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 49.4479, 0.4247, 0.4008 by changing the saturation by 10% instead.


 49.4479, 0.4247,
0.4008

 49.4479, 0.4247,
0.4008


384.5029, 0.3701,
0.3684

 34.9749, 0.4374,
0.4075


 89.3563, 0.4054,
0.3900


 23.6436, 0.4530,
0.4151


 115.5605, 0.3980,
0.3857

 15.0694, 0.4725,
0.4235


 146.4440, 0.3917,
0.3819

 8.8681, 0.4967,
0.4321

 182.3910, 0.3862,
0.3785

 4.6553, 0.5357,
0.4460

223.7860, 0.3814,
0.3755

 2.0464, 0.5630,
0.4370

271.0134, 0.3772,

 0.6343, 0.6033,

0.3729

0.3967

324.4576, 0.3734,
0.3705

0.0000, 0.0000,
0.0000

49.4479, 0.4247,
0.4008

49.4479, 0.4247,
0.4008

44.7986, 0.4514,
0.4112

54.6038, 0.3990,
0.3881

40.6288, 0.4780,
0.4181

60.2775, 0.3752,
0.3743

36.9191, 0.5029,
0.4202

66.4886, 0.3537,
0.3602

33.6443, 0.5243,
0.4168

73.2532, 0.3345,
0.3463

31.6428, 0.5369,
0.4119

80.5867, 0.3177,
0.3331

■ 88.5039, 0.3029,
0.3206

■ 95.7015, 0.3005,
0.3279

■ 96.3966, 0.3005,
0.3290

Harmonies

Analogous

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



49.4479, 0.4317, 0.3560



49.4479, 0.4247, 0.4008



49.4479, 0.3866, 0.4331

Triad

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



49.4479, 0.4247, 0.4008



49.4479, 0.2284, 0.3404



49.4479, 0.2855, 0.2433

Complementary

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



49.4479, 0.4247, 0.4008



38.0318, 0.2267, 0.2410

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.



49.4479, 0.2371, 0.2346



49.4479, 0.4247, 0.4008



49.4479, 0.2067, 0.2836

Square

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



49.4479, 0.4247, 0.4008



49.4479, 0.2728, 0.4008



49.4479, 0.2099, 0.2473



49.4479, 0.3467, 0.2701

Rectangle

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



49.4479, 0.4247, 0.4008



49.4479, 0.3504, 0.4395



49.4479, 0.2099, 0.2473



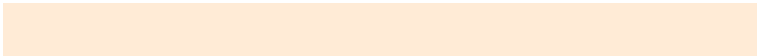
49.4479, 0.2674, 0.2382

Sweetspot

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



49.4503, 0.4247, 0.4008



85.7894, 0.3398, 0.3502



31.7214, 0.3904, 0.2628



17.9988, 0.3437, 0.3531



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.



49.4503, 0.4247, 0.4008



53.3656, 0.4544, 0.4122



77.8273, 0.3883, 0.4573



16.3510, 0.3280, 0.3413



17.8736, 0.5345, 0.4138



1.5961, 0.5143, 0.4299

Inverse Universe

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



38.0318, 0.2267, 0.2410



38.2620, 0.2103, 0.2185



20.5929, 0.2113, 0.1597



15.7410, 0.2981, 0.3164



10.1279, 0.1754, 0.1513



0.9870, 0.1825, 0.1770

Previews

White Background



This preview shows how the Yxy color 49.4479, 0.4247, 0.4008 looks on a white background.

Color Contrast Check

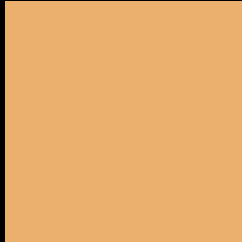
Large Text (above 18pt) WCAG AA × Fail

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 49.4479, 0.4247, 0.4008 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 49.4479, 0.4247, 0.4008

Background



This preview shows how black text looks on a background with the Yxy color 49.4479, 0.4247, 0.4008.



This preview shows how white text looks on a background with the Yxy color 49.4479, 0.4247, 0.4008.

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

49.4479, 0.4247, 0.4008

Protanopia

49.5929, 0.3861, 0.4189

Deuteranopia

49.2758, 0.4163, 0.4074



Tritanopia

49.5929, 0.3710, 0.3159

Trichromacy



Original Color

49.4479, 0.4247, 0.4008

Protanomaly

49.5063, 0.3992, 0.4122

Deuteranomaly

49.3714, 0.4197, 0.4054

Tritanomaly

49.4333, 0.3919, 0.3471

Monochromacy



Original Color

49.4479, 0.4247, 0.4008

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.7619, 0.3520, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4479, 0.4247, 0.4008 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, 175, 110)` looks like.

```
.text, #text, p{  
    color:rgb(235, 175, 110)  
}
```

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, 175, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 175, 110) }
```

Border

The CSS property to change the border of an element to Yxy 49.4479, 0.4247, 0.4008 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, 175, 110) }
```

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

```
.border{ border-color:rgb(235, 175, 110) }
```

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

Here you see how a box with a 4 pixel rgb(235, 175, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 175, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 175, 110);  
box-shadow:4px 4px 4px 4px rgb(235, 175,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4479, 0.4247, 0.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 175, 110) }
```

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

```
.background{ background-color: rgb(235,  
175, 110) }
```

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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