

Converting Colors

$Y_{xy}(48.0926, 0.4275, 0.3914)$

Have a look what the booklet for
Yxy(48.0926, 0.4275, 0.3914)
contains.

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Color

Yxy(48.1188, 0.4282, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	EEAA71
RGB	238, 170, 113
RGB Percent	93%, 67%, 44%
CMY	0.0667, 0.3333, 0.5568
CMYK	0.00, 0.29, 0.53, 0.07
HSL	27°, 79%, 69%
HSV	27°, 53%, 93%
XYZ	52.6161, 48.1188, 22.1425
YIQ	183.8340, 58.8250, -3.3110

Conversions

Conversions Part 2

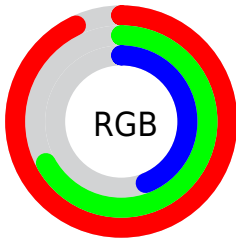
Format	Color
R_{YB}	238, 218, 113
Decimal	15641201
CIE _{Lab}	74.90, 18.74, 39.11
CIE _{LCh}	75, 43.369, 64.401
Yxy	48.1188, 0.4282, 0.3916
Android (android.graphics.Color)	4293831281 (0xFFEEAA71)
YUV	183.8340, -34.9212, 47.5036
Hunter-Lab	69.3677, 14.0006, 29.6317

Details

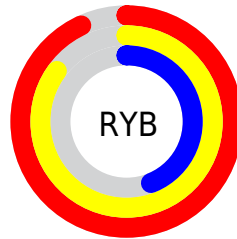
The Yxy color **48.1188, 0.4282, 0.3916** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **42.7384, 0.2300, 0.2535**, and the grayscale version is **48.0105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8636, 0.3751, 0.3892**, and **22.9107, 0.4576, 0.4033** is the 20% darker color. If you saturate the color by 10%, you get **43.0353, 0.4576, 0.4007**, and if you desaturate by 10%, it is **53.8258, 0.4006, 0.3804**.

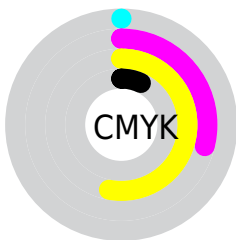
Distribution



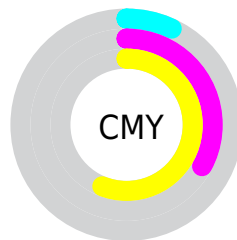
- Red (93%)
- Green (67%)
- Blue (44%)



- Red (93%)
- Yellow (85%)
- Blue (44%)



- Cyan (0%)
- Magenta (29%)
- Yellow (53%)
- Black (7%)





- Cyan (7%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1188, 0.4282, 0.3916 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 48.1188, 0.4282, 0.3916 by changing the saturation by 10% instead.


 48.1188, 0.4282,
0.3916

 48.1188, 0.4282,
0.3916


379.2628, 0.3713,
0.3638

 33.9210, 0.4417,
0.3972


 87.3813, 0.4080,
0.3825


 22.8329, 0.4584,
0.4034


 113.2147, 0.4002,
0.3787

 14.4702, 0.4795,
0.4102


 143.6954, 0.3936,
0.3754

 8.4484, 0.5062,
0.4165

 179.2079, 0.3879,
0.3725

 4.3832, 0.5481,
0.4259

220.1365, 0.3829,
0.3700

 1.8901, 0.5852,
0.4148

266.8656, 0.3786,

 0.5424, 0.6437,

0.3677

0.3563

319.7795, 0.3747,
0.3656

0.0000, 0.0000,
0.0000

48.1188, 0.4282,
0.3916

48.1188, 0.4282,
0.3916

43.0353, 0.4576,
0.4007

53.8258, 0.4006,
0.3804

38.5431, 0.4874,
0.4065

60.1723, 0.3755,
0.3681

34.6173, 0.5157,
0.4075

67.1826, 0.3531,
0.3556

31.2271, 0.5404,
0.4030

74.8772, 0.3336,
0.3434

29.0119, 0.5561,
0.3966

83.2758, 0.3166,
0.3318

■ 92.3441, 0.3024,
0.3218

■ 96.9172, 0.3023,
0.3290

Harmonies

Analogous

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



48.1188, 0.4276, 0.3461



48.1188, 0.4282, 0.3916



48.1188, 0.3959, 0.4274

Triad

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



48.1188, 0.4282, 0.3916



48.1188, 0.2366, 0.3535



48.1188, 0.2742, 0.2405

Complementary

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



48.1188, 0.4282, 0.3916



42.7384, 0.2300, 0.2535

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.



48.1188, 0.2301, 0.2360



48.1188, 0.4282, 0.3916



48.1188, 0.2099, 0.2944

Square

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



48.1188, 0.4282, 0.3916



48.1188, 0.2846, 0.4104



48.1188, 0.2080, 0.2535



48.1188, 0.3334, 0.2637

Rectangle

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



48.1188, 0.4282, 0.3916



48.1188, 0.3620, 0.4383



48.1188, 0.2080, 0.2535



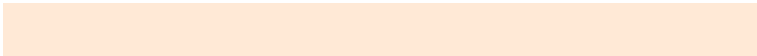
48.1188, 0.2573, 0.2368

Sweetspot

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



48.1212, 0.4282, 0.3916



84.2917, 0.3402, 0.3477



33.3590, 0.3788, 0.2549



17.6424, 0.3442, 0.3502



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.



48.1212, 0.4282, 0.3916



49.9321, 0.4597, 0.4013



76.9430, 0.3922, 0.4502



16.9461, 0.3282, 0.3398



16.4373, 0.5535, 0.3987



1.5639, 0.5314, 0.4162

Inverse Universe

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



42.7384, 0.2300, 0.2535



42.9720, 0.2150, 0.2346



22.9425, 0.2129, 0.1692



16.6539, 0.2980, 0.3180



12.5365, 0.1813, 0.1728



1.2416, 0.1875, 0.1950

Previews

White Background



This preview shows how the Yxy color 48.1188, 0.4282, 0.3916 looks on a white background.

Color Contrast Check

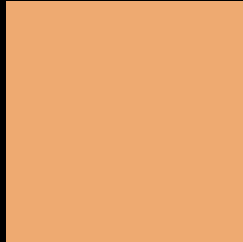
Large Text (above 18pt) WCAG AA × Fail

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 48.1188, 0.4282, 0.3916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

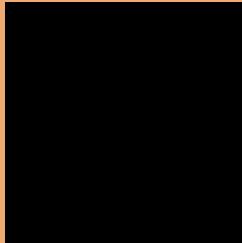
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1188, 0.4282, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 48.1188, 0.4282, 0.3916.

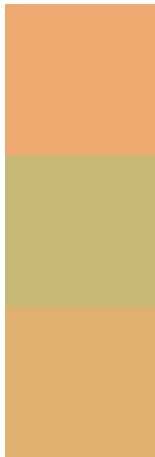


This preview shows how white text looks on a background with the Yxy color 48.1188, 0.4282, 0.3916.

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

48.1188, 0.4282, 0.3916

Protanopia

48.4473, 0.3805, 0.4118

Deuteranopia

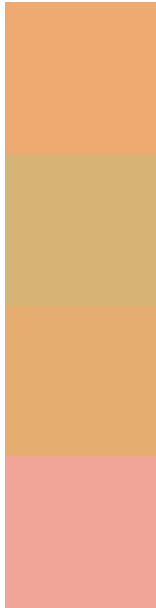
48.0678, 0.4124, 0.4030



Tritanopia

47.9905, 0.3781, 0.3149

Trichromacy



Original Color

48.1188, 0.4282, 0.3916

Protanomaly

48.2230, 0.3967, 0.4048

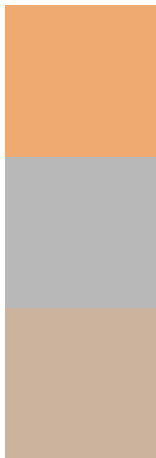
Deuteranomaly

48.1000, 0.4183, 0.3994

Tritanomaly

47.8780, 0.3977, 0.3437

Monochromacy



Original Color

48.1188, 0.4282, 0.3916

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.5462, 0.3528, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1188, 0.4282, 0.3916 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(238, 170, 113)` looks like.

```
.text, #text, p{  
    color:rgb(238, 170, 113)  
}
```

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(238, 170, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 170, 113) }
```

Border

The CSS property to change the border of an element to Yxy 48.1188, 0.4282, 0.3916 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(238, 170, 113) }
```

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

```
.border{ border-color:rgb(238, 170, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 170, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 170, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 170, 113);  
box-shadow:4px 4px 4px 4px rgb(238, 170,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1188, 0.4282, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 170, 113) }
```

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

```
.background{ background-color: rgb(238,  
170, 113) }
```

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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