

Converting Colors

$Y_{xy}(48.6063, 0.4021, 0.3702)$

Have a look what the booklet for
Yxy(48.6063, 0.4021, 0.3702)
contains.

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Color

Yxy(48.6063, 0.4021, 0.3702)

Conversions

Conversions Part 1

Format	Color
Hex	E9AC88
RGB	233, 172, 136
RGB Percent	91%, 67%, 53%
CMY	0.0864, 0.3254, 0.4666
CMYK	0.00, 0.26, 0.42, 0.09
HSL	22°, 69%, 72%
HSV	22°, 42%, 91%
XYZ	52.7947, 48.6063, 29.8964
YIQ	186.1350, 47.9120, 1.7360

Conversions

Conversions Part 2

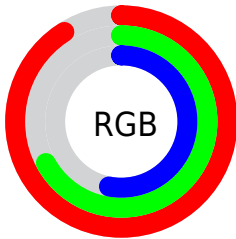
Format	Color
R _Y B	233, 193, 136
Decimal	15314056
CIE Lab	75.21, 17.88, 27.26
CIE LCh	75, 32.602, 56.733
Yxy	48.6063, 0.4021, 0.3702
Android (android.graphics.Color)	4293504136 (0xFFE9AC88)
YUV	186.1350, -24.7166, 41.1006
Hunter-Lab	69.7182, 13.1637, 23.3781

Details

The Yxy color **48.6063, 0.4021, 0.3702** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **51.0350, 0.2484, 0.2829**, and the grayscale version is **49.3047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4645, 0.3577, 0.3676**, and **23.2188, 0.4260, 0.3794** is the 20% darker color. If you saturate the color by 10%, you get **42.7446, 0.4321, 0.3795**, and if you desaturate by 10%, it is **55.2311, 0.3754, 0.3601**.

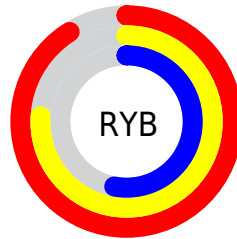
Distribution



Red (91%)

Green (67%)

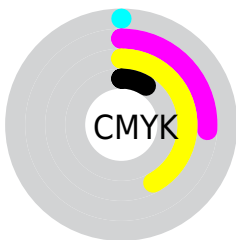
Blue (53%)



Red (91%)

Yellow (76%)

Blue (53%)

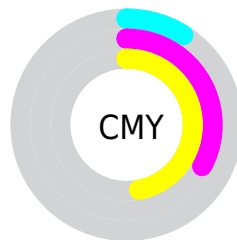


Cyan (0%)

Magenta (26%)

Yellow (42%)

Black (9%)



Cyan (9%)

Magenta (33%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6063, 0.4021, 0.3702 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 48.6063, 0.4021, 0.3702 by changing the saturation by 10% instead.


 48.6063, 0.4021,
0.3702


 48.6063, 0.4021,
0.3702

381.1903, 0.3575,
0.3515


 34.3073, 0.4130,
0.3742

 88.1064, 0.3860,
0.3639

 23.1298, 0.4268,
0.3789


 114.0763, 0.3799,
0.3614

 14.6893, 0.4448,
0.3844

 144.7053, 0.3748,
0.3592

 8.6017, 0.4690,
0.3906

180.3778, 0.3704,
0.3572

 4.4823, 0.5025,
0.3965

221.4781, 0.3665,
0.3555

 1.9468, 0.5802,
0.4198

268.3908, 0.3632,

 0.5763, 0.6326,

0.3540

0.3674

321.5000, 0.3602,
0.3527

0.0000, 0.0000,
0.0000

48.6063, 0.4021,
0.3702

48.6063, 0.4021,
0.3702

42.7446, 0.4321,
0.3795

55.2311, 0.3754,
0.3601

37.6098, 0.4649,
0.3868

62.6394, 0.3522,
0.3498

33.1727, 0.4988,
0.3910

70.8598, 0.3322,
0.3399

29.3992, 0.5316,
0.3909

79.9168, 0.3152,
0.3305

26.2511, 0.5603,
0.3854

89.8341, 0.3007,
0.3217

■ 24.0563, 0.5801,
0.3776

■ 96.0589, 0.2993,
0.3290

Harmonies

Analogous

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



48.6063, 0.3940, 0.3345



48.6063, 0.4021, 0.3702



48.6063, 0.3845, 0.3989

Triad

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



48.6063, 0.4021, 0.3702



48.6063, 0.2634, 0.3592



48.6063, 0.2739, 0.2582

Complementary

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



48.6063, 0.4021, 0.3702



51.0350, 0.2484, 0.2829

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.



48.6063, 0.2433, 0.2596



48.6063, 0.4021, 0.3702



48.6063, 0.2375, 0.3147

Square

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



48.6063, 0.4021, 0.3702



48.6063, 0.3035, 0.3962



48.6063, 0.2305, 0.2789



48.6063, 0.3170, 0.2727

Rectangle

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



48.6063, 0.4021, 0.3702



48.6063, 0.3616, 0.4091



48.6063, 0.2305, 0.2789



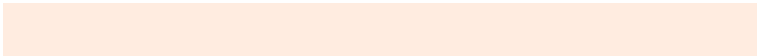
48.6063, 0.2619, 0.2567

Sweetspot

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



48.6086, 0.4021, 0.3702



86.5180, 0.3331, 0.3403



38.9816, 0.3517, 0.2610



18.2237, 0.3355, 0.3416



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.



48.6086, 0.4021, 0.3702



53.4051, 0.4278, 0.3783



70.3065, 0.3800, 0.4198



15.9703, 0.3284, 0.3378



13.8715, 0.5774, 0.3798



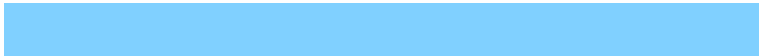
1.2681, 0.5512, 0.4005

Inverse Universe

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



51.0350, 0.2484, 0.2829



56.7142, 0.2361, 0.2713



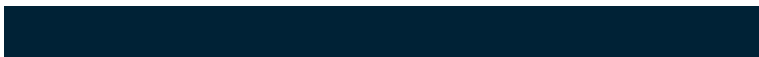
32.5933, 0.2378, 0.2178



16.1271, 0.2981, 0.3200



15.3323, 0.1897, 0.2028



1.3871, 0.1951, 0.2222

Previews

White Background



This preview shows how the Yxy color 48.6063, 0.4021, 0.3702 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 48.6063, 0.4021, 0.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

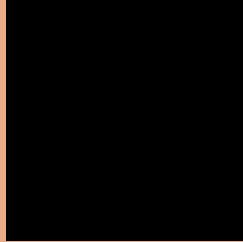
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6063, 0.4021, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 48.6063, 0.4021, 0.3702.



This preview shows how white text looks on a background with the Yxy color 48.6063, 0.4021, 0.3702.

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

48.6063, 0.4021, 0.3702

Protanopia

48.6567, 0.3591, 0.3838

Deuteranopia

48.8057, 0.3881, 0.3803



Tritanopia

48.5316, 0.3676, 0.3146

Trichromacy



Original Color

48.6063, 0.4021, 0.3702

Protanomaly

48.3848, 0.3746, 0.3782

Deuteranomaly

48.8075, 0.3937, 0.3771

Tritanomaly

48.4825, 0.3813, 0.3349

Monochromacy



Original Color

48.6063, 0.4021, 0.3702

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.5714, 0.3428, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6063, 0.4021, 0.3702 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(233, 172, 136)` looks like.

```
.text, #text, p{  
    color:rgb(233, 172, 136)  
}
```

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(233, 172, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 172, 136) }
```

Border

The CSS property to change the border of an element to Yxy 48.6063, 0.4021, 0.3702 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(233, 172, 136) }
```

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

```
.border{ border-color:rgb(233, 172, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 172, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 172, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 172, 136);  
box-shadow:4px 4px 4px 4px rgb(233, 172,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6063, 0.4021, 0.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 172, 136) }
```

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

```
.background{ background-color: rgb(233,  
172, 136) }
```

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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