

Converting Colors

$Y_{xy}(45.7537, 0.4326, 0.3974)$

Have a look what the booklet for
Yxy(45.7537, 0.4326, 0.3974)
contains.

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Color

Yxy(45.6160, 0.4331, 0.3968)

Conversions

Conversions Part 1

Format	Color
Hex	E9A669
RGB	233, 166, 105
RGB Percent	91%, 65%, 41%
CMY	0.0863, 0.3490, 0.5881
CMYK	0.00, 0.29, 0.55, 0.09
HSL	29°, 74%, 66%
HSV	29°, 55%, 91%
XYZ	49.7890, 45.6160, 19.5546
YIQ	179.0790, 59.5130, -4.7670

Conversions

Conversions Part 2

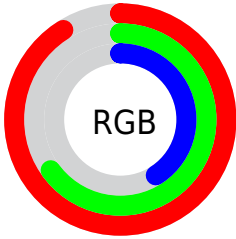
Format	Color
R _Y B	233, 222, 105
Decimal	15312489
CIE Lab	73.30, 18.16, 41.12
CIE LCh	73, 44.952, 66.167
Yxy	45.6160, 0.4331, 0.3968
Android (android.graphics.Color)	4293502569 (0xFFE9A669)
YUV	179.0790, -36.5209, 47.2887
Hunter-Lab	67.5396, 13.3928, 30.1116

Details

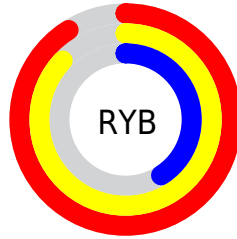
The Yxy color **45.6160, 0.4331, 0.3968** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.3991, 0.2258, 0.2456**, and the grayscale version is **45.3009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4072, 0.3828, 0.3944**, and **21.3188, 0.4644, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **40.9765, 0.4618, 0.4057**, and if you desaturate by 10%, it is **50.8118, 0.4057, 0.3855**.

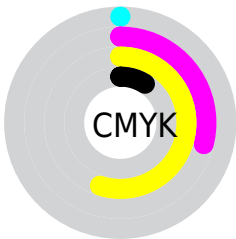
Distribution



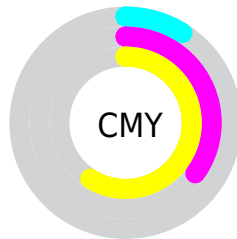
- Red (91%)
- Green (65%)
- Blue (41%)



- Red (91%)
- Yellow (87%)
- Blue (41%)



- Cyan (0%)
- Magenta (29%)
- Yellow (55%)
- Black (9%)





- Cyan (9%)
- Magenta (35%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6160, 0.4331, 0.3968 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 45.6160, 0.4331, 0.3968 by changing the saturation by 10% instead.


 45.6160, 0.4331,
0.3968

 45.6160, 0.4331,
0.3968


369.2627, 0.3735,
0.3665

 31.9429, 0.4472,
0.4028


 83.6440, 0.4119,
0.3868


 21.3179, 0.4647,
0.4095


 108.7677, 0.4038,
0.3828

 13.3566, 0.4865,
0.4166


 138.4771, 0.3968,
0.3792

 7.6745, 0.5139,
0.4228

 173.1565, 0.3909,
0.3760

 3.8874, 0.5634,
0.4366

213.1904, 0.3857,
0.3732

 1.6108, 0.5872,
0.4128

258.9631, 0.3811,

 0.3649, 0.6841,

0.3707

0.3159

310.8591, 0.3771,
0.3685

0.0000, 0.0000,
0.0000

45.6160, 0.4331,
0.3968

45.6160, 0.4331,
0.3968

40.9765, 0.4618,
0.4057

50.8118, 0.4057,
0.3855

36.8639, 0.4904,
0.4109

56.5780, 0.3805,
0.3729

33.2554, 0.5169,
0.4112

62.9366, 0.3579,
0.3598

30.1228, 0.5396,
0.4058


69.9060, 0.3379,
0.3470

28.6962, 0.5498,
0.4016

77.5037, 0.3204,
0.3348

 85.7465, 0.3053,
0.3233

 93.7758, 0.2993,
0.3254

 96.0617, 0.2993,
0.3290

Harmonies

Analogous

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



45.6160, 0.4350, 0.3493



45.6160, 0.4331, 0.3968



45.6160, 0.3971, 0.4340

Triad

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



45.6160, 0.4331, 0.3968



45.6160, 0.2302, 0.3508



45.6160, 0.2754, 0.2372

Complementary

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



45.6160, 0.4331, 0.3968



38.3991, 0.2258, 0.2456

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.



45.6160, 0.2281, 0.2312



45.6160, 0.4331, 0.3968



45.6160, 0.2041, 0.2890

Square

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



45.6160, 0.4331, 0.3968



45.6160, 0.2793, 0.4125



45.6160, 0.2036, 0.2477



45.6160, 0.3382, 0.2624

Rectangle

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



45.6160, 0.4331, 0.3968



45.6160, 0.3607, 0.4447



45.6160, 0.2036, 0.2477



45.6160, 0.2574, 0.2329

Sweetspot

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



45.6182, 0.4331, 0.3968



84.7675, 0.3401, 0.3485



30.4603, 0.3858, 0.2542



17.7555, 0.3441, 0.3511



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.



45.6182, 0.4331, 0.3968



49.5439, 0.4658, 0.4067



74.2280, 0.3941, 0.4564



16.2382, 0.3281, 0.3403



16.5295, 0.5474, 0.4036



1.4895, 0.5250, 0.4213

Inverse Universe

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



38.3991, 0.2258, 0.2456



39.8141, 0.2100, 0.2244



19.8898, 0.2075, 0.1585



15.8538, 0.2981, 0.3175



11.4821, 0.1794, 0.1659



1.0942, 0.1862, 0.1901

Previews

White Background



This preview shows how the Yxy color 45.6160, 0.4331, 0.3968 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 45.6160, 0.4331, 0.3968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

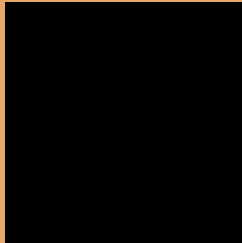
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6160, 0.4331, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 45.6160, 0.4331, 0.3968.



This preview shows how white text looks on a background with the Yxy color 45.6160, 0.4331, 0.3968.

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

45.6160, 0.4331, 0.3968

Protanopia

45.6386, 0.3863, 0.4182

Deuteranopia

45.7202, 0.4178, 0.4084



Tritanopia

45.5331, 0.3796, 0.3157

Trichromacy



Original Color

45.6160, 0.4331, 0.3968

Protanomaly

45.4443, 0.4031, 0.4106

Deuteranomaly

45.7565, 0.4238, 0.4046

Tritanomaly

45.3979, 0.4006, 0.3463

Monochromacy



Original Color

45.6160, 0.4331, 0.3968

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.6812, 0.3548, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6160, 0.4331, 0.3968 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, 166, 105)` looks like.

```
.text, #text, p{  
    color:rgb(233, 166, 105)  
}
```

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, 166, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 166, 105) }
```

Border

The CSS property to change the border of an element to Yxy 45.6160, 0.4331, 0.3968 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, 166, 105) }
```

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

```
.border{ border-color:rgb(233, 166, 105) }
```

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

Here you see how a box with a 4 pixel rgb(233, 166, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 166, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 166, 105);  
box-shadow:4px 4px 4px 4px rgb(233, 166,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6160, 0.4331, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 166, 105) }
```

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

```
.background{ background-color: rgb(233,  
166, 105) }
```

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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