

Converting Colors

$Y_{xy}(45.7306, 0.4093, 0.3864)$

Have a look what the booklet for
Yxy(45.7306, 0.4093, 0.3864)
contains.

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Color

Yxy(45.5793, 0.4098, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	E0A978
RGB	224, 169, 120
RGB Percent	88%, 66%, 47%
CMY	0.1214, 0.3373, 0.5294
CMYK	0.00, 0.25, 0.46, 0.12
HSL	28°, 63%, 67%
HSV	28°, 46%, 88%
XYZ	48.3270, 45.5793, 24.0220
YIQ	179.8590, 48.5090, -3.5790

Conversions

Conversions Part 2

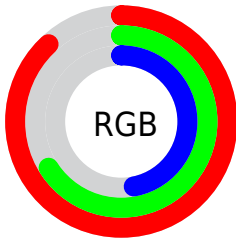
Format	Color
RYB	224, 213, 120
Decimal	14723448
CIELab	73.27, 14.28, 33.07
CIELCh	73, 36.020, 66.639
Yxy	45.5793, 0.4098, 0.3865
Android (android.graphics.Color)	4292913528 (0xFFE0A978)
YUV	179.8590, -29.5105, 38.7117
Hunter-Lab	67.5124, 9.6278, 26.1624

Details

The Yxy color **45.5793, 0.4098, 0.3865** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.0580, 0.2389, 0.2619**, and the grayscale version is **45.7065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5884, 0.3706, 0.3812**, and **21.2845, 0.4353, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **40.8872, 0.4376, 0.3974**, and if you desaturate by 10%, it is **50.8030, 0.3842, 0.3742**.

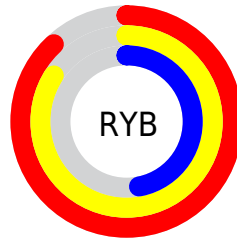
Distribution



Red (88%)

Green (66%)

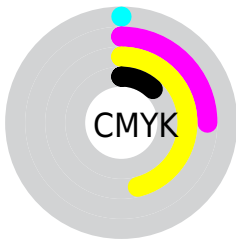
Blue (47%)



Red (88%)

Yellow (84%)

Blue (47%)

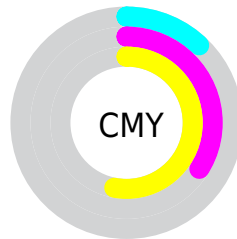


Cyan (0%)

Magenta (25%)

Yellow (46%)

Black (12%)



Cyan (12%)


Magenta (34%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5793, 0.4098, 0.3865 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 45.5793, 0.4098, 0.3865 by changing the saturation by 10% instead.


 45.5793, 0.4098,
0.3865

 45.5793, 0.4098,
0.3865


369.1147, 0.3613,
0.3598

 31.9140, 0.4216,
0.3923


 83.5890, 0.3923,
0.3774

 21.2958, 0.4365,
0.3992


 108.7022, 0.3857,
0.3738

 13.3404, 0.4556,
0.4072


 138.4001, 0.3801,
0.3706

 7.6634, 0.4807,
0.4161

173.0672, 0.3752,
0.3679

 3.8803, 0.5181,
0.4275

213.0878, 0.3711,
0.3655

 1.6068, 0.5673,
0.4327

258.8463, 0.3674,

 0.3622, 0.6567,

0.3634

0.3433

310.7272, 0.3641,
0.3615

0.0000, 0.0000,
0.0000

45.5793, 0.4098,
0.3865

45.5793, 0.4098,
0.3865

40.8872, 0.4376,
0.3974

50.8030, 0.3842,
0.3742

36.7005, 0.4665,
0.4058

56.5700, 0.3611,
0.3614

33.0002, 0.4952,
0.4102

62.8997, 0.3407,
0.3487

29.7628, 0.5216,
0.4096

69.8086, 0.3229,
0.3365

26.9614, 0.5439,
0.4035

77.3123, 0.3075,
0.3250

■ 26.0560, 0.5512,
0.4006

■ 85.4258, 0.2941,
0.3144

■ 92.6764, 0.2940,
0.3259

■ 94.5929, 0.2941,
0.3289

Harmonies

Analogous

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



45.5793, 0.4109, 0.3479



45.5793, 0.4098, 0.3865



45.5793, 0.3814, 0.4145

Triad

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



45.5793, 0.4098, 0.3865



45.5793, 0.2455, 0.3462



45.5793, 0.2837, 0.2536

Complementary

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



45.5793, 0.4098, 0.3865



40.0580, 0.2389, 0.2619

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.



45.5793, 0.2442, 0.2488



45.5793, 0.4098, 0.3865



45.5793, 0.2236, 0.2973

Square

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



45.5793, 0.4098, 0.3865



45.5793, 0.2859, 0.3939



45.5793, 0.2233, 0.2631



45.5793, 0.3346, 0.2749

Rectangle

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



45.5793, 0.4098, 0.3865



45.5793, 0.3520, 0.4212



45.5793, 0.2233, 0.2631



45.5793, 0.2688, 0.2500

Sweetspot

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



45.5815, 0.4098, 0.3865



86.4444, 0.3364, 0.3458



32.4022, 0.3699, 0.2649



18.0854, 0.3404, 0.3485



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.



45.5815, 0.4098, 0.3865



54.8507, 0.4375, 0.3974



68.6939, 0.3828, 0.4391



14.7594, 0.3280, 0.3401



15.3875, 0.5487, 0.4025



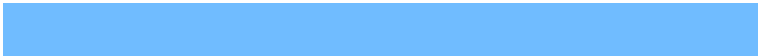
1.2448, 0.5236, 0.4224

Inverse Universe

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



40.0580, 0.2389, 0.2619



46.5424, 0.2240, 0.2442



23.6617, 0.2257, 0.1883



14.4379, 0.2981, 0.3177



10.9793, 0.1801, 0.1682



0.9399, 0.1875, 0.1949

Previews

White Background



This preview shows how the Yxy color 45.5793, 0.4098, 0.3865 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 45.5793, 0.4098, 0.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

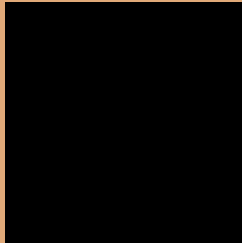
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5793, 0.4098, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 45.5793, 0.4098, 0.3865.



This preview shows how white text looks on a background with the Yxy color 45.5793, 0.4098, 0.3865.

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

45.5793, 0.4098, 0.3865

Protanopia

45.7253, 0.3723, 0.4003

Deuteranopia

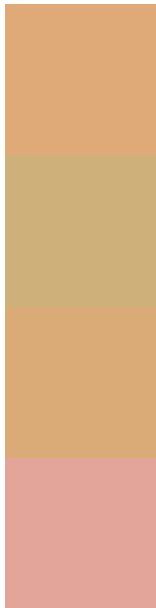
45.4359, 0.4013, 0.3930



Tritanopia

45.5547, 0.3660, 0.3153

Trichromacy



Original Color

45.5793, 0.4098, 0.3865

Protanomaly

45.6025, 0.3863, 0.3953

Deuteranomaly

45.5178, 0.4048, 0.3911

Tritanomaly

45.5743, 0.3826, 0.3421

Monochromacy



Original Color

45.5793, 0.4098, 0.3865

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.2551, 0.3461, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5793, 0.4098, 0.3865 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(224, 169, 120)` looks like.

```
.text, #text, p{  
    color:rgb(224, 169, 120)  
}
```

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(224, 169, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 169, 120) }
```

Border

The CSS property to change the border of an element to Yxy 45.5793, 0.4098, 0.3865 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(224, 169, 120) }
```

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

```
.border{ border-color:rgb(224, 169, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 169, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 169, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 169, 120);  
box-shadow:4px 4px 4px 4px rgb(224, 169,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5793, 0.4098, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 169, 120) }
```

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

```
.background{ background-color: rgb(224,  
169, 120) }
```

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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