

Converting Colors

$Y_{xy}(45.3275, 0.4216, 0.3921)$

Have a look what the booklet for
Yxy(45.3275, 0.4216, 0.3921)
contains.

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Color

Yxy(45.3013, 0.4218, 0.3921)

Conversions

Conversions Part 1

Format	Color
Hex	E4A770
RGB	228, 167, 112
RGB Percent	89%, 65%, 44%
CMY	0.1060, 0.3450, 0.5608
CMYK	0.00, 0.27, 0.51, 0.11
HSL	28°, 68%, 67%
HSV	28°, 51%, 89%
XYZ	48.7327, 45.3013, 21.5011
YIQ	178.9690, 54.0110, -4.1730

Conversions

Conversions Part 2

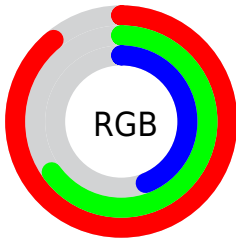
Format	Color
R _Y B	228, 217, 112
Decimal	14985072
CIE Lab	73.09, 16.18, 37.14
CIE LCh	73, 40.509, 66.459
Yxy	45.3013, 0.4218, 0.3921
Android (android.graphics.Color)	4293175152 (0xFFE4A770)
YUV	178.9690, -33.0157, 43.0002
Hunter-Lab	67.3062, 11.4560, 28.1741

Details

The Yxy color **45.3013, 0.4218, 0.3921** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.9126, 0.2320, 0.2534**, and the grayscale version is **45.2200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2192, 0.3768, 0.3873**, and **21.1664, 0.4512, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **40.6690, 0.4501, 0.4021**, and if you desaturate by 10%, it is **50.4733, 0.3952, 0.3802**.

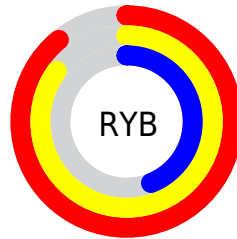
Distribution



Red (89%)

Green (65%)

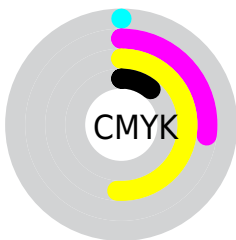
Blue (44%)



Red (89%)

Yellow (85%)

Blue (44%)

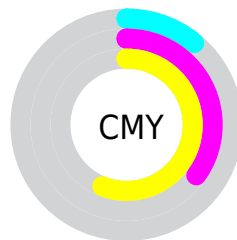


Cyan (0%)

Magenta (27%)

Yellow (51%)

Black (11%)



Cyan (11%)


Magenta (35%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3013, 0.4218, 0.3921 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 45.3013, 0.4218, 0.3921 by changing the saturation by 10% instead.


 45.3013, 0.4218,
0.3921

 45.3013, 0.4218,
0.3921


367.9925, 0.3674,
0.3633


 31.6948, 0.4349,
0.3981


 83.1724, 0.4023,
0.3824

 21.1285, 0.4512,
0.4050


 108.2057, 0.3949,
0.3786

 13.2180, 0.4719,
0.4128


 137.8168, 0.3886,
0.3752

 7.5788, 0.4986,
0.4205


 172.3901, 0.3832,
0.3722

 3.8266, 0.5440,
0.4347

212.3099, 0.3785,
0.3696

 1.5771, 0.5777,
0.4223

257.9606, 0.3743,

 0.3421, 0.6780,

0.3672

0.3220

309.7267, 0.3707,
0.3651

0.0000, 0.0000,
0.0000

45.3013, 0.4218,
0.3921

45.3013, 0.4218,
0.3921

40.6690, 0.4501,
0.4021

50.4733, 0.3952,
0.3802

36.5490, 0.4790,
0.4089

56.1980, 0.3710,
0.3674

32.9207, 0.5067,
0.4113

62.4957, 0.3495,
0.3545

29.7584, 0.5313,
0.4083

69.3837, 0.3305,
0.3419

27.2487, 0.5503,
0.4013

76.8786, 0.3141,
0.3300

■ 84.9959, 0.2998,
0.3189

■ 92.6370, 0.2963,
0.3248

■ 95.2304, 0.2964,
0.3290

Harmonies

Analogous

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



45.3013, 0.4233, 0.3489



45.3013, 0.4218, 0.3921



45.3013, 0.3895, 0.4247

Triad

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



45.3013, 0.4218, 0.3921



45.3013, 0.2375, 0.3484



45.3013, 0.2796, 0.2451

Complementary

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



45.3013, 0.4218, 0.3921



38.9126, 0.2320, 0.2534

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.



45.3013, 0.2359, 0.2396



45.3013, 0.4218, 0.3921



45.3013, 0.2134, 0.2929

Square

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



45.3013, 0.4218, 0.3921



45.3013, 0.2824, 0.4032



45.3013, 0.2131, 0.2551



45.3013, 0.3367, 0.2685

Rectangle

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



45.3013, 0.4218, 0.3921



45.3013, 0.3564, 0.4333



45.3013, 0.2131, 0.2551



45.3013, 0.2630, 0.2411

Sweetspot

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



45.3035, 0.4218, 0.3921



85.6141, 0.3382, 0.3471



31.1265, 0.3780, 0.2591



17.9228, 0.3422, 0.3498



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.



45.3035, 0.4218, 0.3921



52.1509, 0.4516, 0.4025



71.0316, 0.3888, 0.4484



15.4901, 0.3281, 0.3402



15.9715, 0.5478, 0.4032



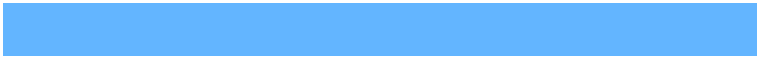
1.3652, 0.5242, 0.4220

Inverse Universe

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



38.9126, 0.2320, 0.2534



43.0290, 0.2168, 0.2343



21.5017, 0.2161, 0.1727



15.1346, 0.2981, 0.3176



11.2073, 0.1797, 0.1668



1.0140, 0.1867, 0.1922

Previews

White Background



This preview shows how the Yxy color 45.3013, 0.4218, 0.3921 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 45.3013, 0.4218, 0.3921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

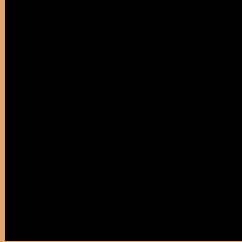
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3013, 0.4218, 0.3921

Background



This preview shows how black text looks on a background with the Yxy color 45.3013, 0.4218, 0.3921.



This preview shows how white text looks on a background with the Yxy color 45.3013, 0.4218, 0.3921.

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

45.3013, 0.4218, 0.3921

Protanopia

45.5290, 0.3788, 0.4103

Deuteranopia

45.4045, 0.4092, 0.4018



Tritanopia

45.4438, 0.3723, 0.3155

Trichromacy



Original Color

45.3013, 0.4218, 0.3921

Protanomaly

45.1631, 0.3945, 0.4035

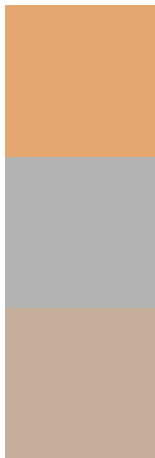
Deuteranomaly

45.2693, 0.4142, 0.3984

Tritanomaly

45.3853, 0.3911, 0.3442

Monochromacy



Original Color

45.3013, 0.4218, 0.3921

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.8968, 0.3499, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3013, 0.4218, 0.3921 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(228, 167, 112)` looks like.

```
.text, #text, p{  
    color:rgb(228, 167, 112)  
}
```

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(228, 167, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 167, 112) }
```

Border

The CSS property to change the border of an element to Yxy 45.3013, 0.4218, 0.3921 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(228, 167, 112) }
```

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

```
.border{ border-color:rgb(228, 167, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 167, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 167, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 167, 112);  
box-shadow:4px 4px 4px 4px rgb(228, 167,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3013, 0.4218, 0.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 167, 112) }
```

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

```
.background{ background-color: rgb(228,  
167, 112) }
```

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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