

Converting Colors

$Y_{xy}(46.0764, 0.4123, 0.3921)$

Have a look what the booklet for
Yxy(46.0764, 0.4123, 0.3921)
contains.

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Color

Yxy(45.8577, 0.4127, 0.3921)

Conversions

Conversions Part 1

Format	Color
Hex	E0AA74
RGB	224, 170, 116
RGB Percent	88%, 67%, 45%
CMY	0.1216, 0.3333, 0.5451
CMYK	0.00, 0.24, 0.48, 0.12
HSL	30°, 64%, 67%
HSV	30°, 48%, 88%
XYZ	48.2670, 45.8577, 22.8294
YIQ	179.9900, 49.5180, -5.3460

Conversions

Conversions Part 2

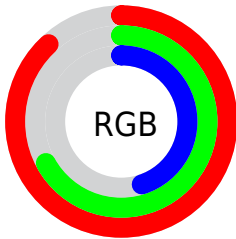
Format	Color
R _Y B	224, 224, 116
Decimal	14723700
CIE Lab	73.45, 13.34, 35.41
CIE LCh	73, 37.841, 69.366
Yxy	45.8577, 0.4127, 0.3921
Android (android.graphics.Color)	4292913780 (0xFFE0AA74)
YUV	179.9900, -31.5471, 38.5968
Hunter-Lab	67.7183, 8.7207, 27.4148

Details

The Yxy color $45.8577, 0.4127, 0.3921$ is a light color, and the websafe version is hex $CC9966$. A complement of this color would be $37.8399, 0.2353, 0.2542$, and the grayscale version is $45.7899, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.9750, 0.3731, 0.3862$, and $21.4691, 0.4388, 0.4057$ is the 20% darker color. If you saturate the color by 10%, you get $41.3785, 0.4397, 0.4033$, and if you desaturate by 10%, it is $50.8246, 0.3874, 0.3792$.

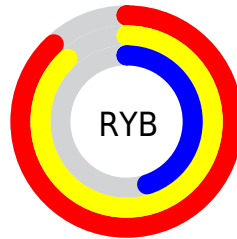
Distribution



Red (88%)

Green (67%)

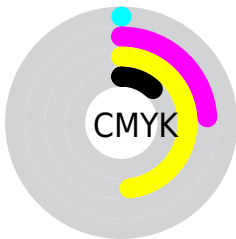
Blue (45%)



Red (88%)

Yellow (88%)

Blue (45%)

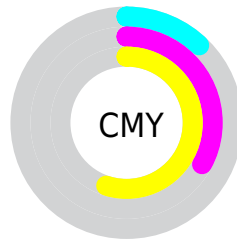


Cyan (0%)

Magenta (24%)

Yellow (48%)

Black (12%)



Cyan (12%)


Magenta (33%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8577, 0.4127, 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 45.8577, 0.4127, 0.3921 by changing the saturation by 10% instead.


 45.8577, 0.4127,
0.3921


 45.8577, 0.4127,
0.3921


370.2363, 0.3629,
0.3628


 32.1335, 0.4247,
0.3984


 84.0060, 0.3949,
0.3821

 21.4635, 0.4397,
0.4059


 109.1989, 0.3881,
0.3781

 13.4632, 0.4588,
0.4146


 138.9836, 0.3823,
0.3747

 7.7483, 0.4836,
0.4241

173.7443, 0.3773,
0.3717

 3.9343, 0.5225,
0.4383

213.8656, 0.3730,
0.3691

 1.6369, 0.5619,
0.4381

259.7317, 0.3693,

 0.3823, 0.6431,

0.3667

0.3569

311.7271, 0.3659,
0.3646

0.0000, 0.0000,
0.0000

45.8577, 0.4127,
0.3921

45.8577, 0.4127,
0.3921

41.3785, 0.4397,
0.4033

50.8246, 0.3874,
0.3792

37.3624, 0.4674,
0.4117

56.2895, 0.3644,
0.3657

33.7918, 0.4943,
0.4160


62.2704, 0.3439,
0.3522

30.6450, 0.5186,
0.4151

68.7822, 0.3259,
0.3392

27.8941, 0.5390,
0.4088

75.8393, 0.3101,
0.3269

 27.4391, 0.5425,
0.4074

 83.4554, 0.2963,
0.3154

 90.4437, 0.2939,
0.3223

 94.5869, 0.2940,
0.3289

Harmonies

Analogous

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



45.8577, 0.4169, 0.3522



45.8577, 0.4127, 0.3921



45.8577, 0.3806, 0.4202

Triad

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



45.8577, 0.4127, 0.3921



45.8577, 0.2394, 0.3419



45.8577, 0.2868, 0.2517

Complementary

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



45.8577, 0.4127, 0.3921



37.8399, 0.2353, 0.2542

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.



45.8577, 0.2441, 0.2449



45.8577, 0.4127, 0.3921



45.8577, 0.2187, 0.2915

Square

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



45.8577, 0.4127, 0.3921



45.8577, 0.2801, 0.3934



45.8577, 0.2204, 0.2578



45.8577, 0.3405, 0.2752

Rectangle

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



45.8577, 0.4127, 0.3921



45.8577, 0.3490, 0.4257



45.8577, 0.2204, 0.2578



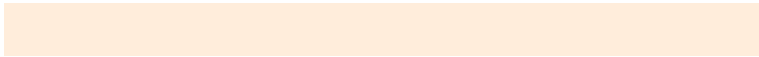
45.8577, 0.2708, 0.2474

Sweetspot

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



45.8599, 0.4127, 0.3921



87.0473, 0.3362, 0.3468



31.2395, 0.3775, 0.2665



18.2320, 0.3402, 0.3496



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.



45.8599, 0.4127, 0.3921



55.3967, 0.4402, 0.4035



70.4179, 0.3835, 0.4460



14.8274, 0.3280, 0.3407



16.2020, 0.5402, 0.4093



1.3021, 0.5166, 0.4280

Inverse Universe

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



37.8399, 0.2353, 0.2542



43.4151, 0.2199, 0.2348



21.5850, 0.2210, 0.1773



14.3698, 0.2981, 0.3170



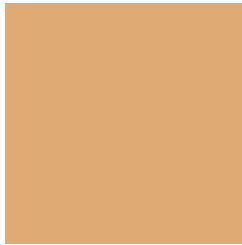
10.1056, 0.1773, 0.1583



0.8796, 0.1851, 0.1862

Previews

White Background



This preview shows how the Yxy color 45.8577, 0.4127, 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 45.8577, 0.4127, 0.3921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

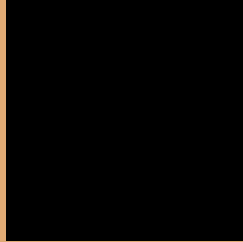
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8577, 0.4127, 0.3921

Background



This preview shows how black text looks on a background with the Yxy color 45.8577, 0.4127, 0.3921.



This preview shows how white text looks on a background with the Yxy color 45.8577, 0.4127, 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

45.8577, 0.4127, 0.3921

Protanopia

46.1396, 0.3769, 0.4074

Deuteranopia

46.0304, 0.4061, 0.3981



Tritanopia

45.9475, 0.3647, 0.3153

Trichromacy



Original Color

45.8577, 0.4127, 0.3921

Protanomaly

45.8980, 0.3891, 0.4013

Deuteranomaly

45.9585, 0.4086, 0.3965

Tritanomaly

45.9364, 0.3822, 0.3433

Monochromacy



Original Color

45.8577, 0.4127, 0.3921

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.2208, 0.3470, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8577, 0.4127, 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(224, 170, 116)` looks like.

```
.text, #text, p{  
    color:rgb(224, 170, 116)  
}
```

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, 170, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 170, 116) }
```

Border

The CSS property to change the border of an element to Yxy 45.8577, 0.4127, 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(224, 170, 116) }
```

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

```
.border{ border-color:rgb(224, 170, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 170, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 170, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 170, 116);  
box-shadow:4px 4px 4px 4px rgb(224, 170,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8577, 0.4127, 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(224, 170, 116) }
```

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

```
.background{ background-color: rgb(224,  
170, 116) }
```

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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