

Converting Colors

$Y_{xy}(46.3228, 0.4229, 0.3791)$

Have a look what the booklet for
Yxy(46.3228, 0.4229, 0.3791)
contains.

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Color

Yxy(46.1236, 0.4225, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	ECA579
RGB	236, 165, 121
RGB Percent	93%, 65%, 47%
CMY	0.0745, 0.3529, 0.5256
CMYK	0.00, 0.30, 0.49, 0.07
HSL	23°, 75%, 70%
HSV	23°, 49%, 93%
XYZ	51.4990, 46.1236, 24.2685
YIQ	181.2130, 56.4400, 1.3680

Conversions

Conversions Part 2

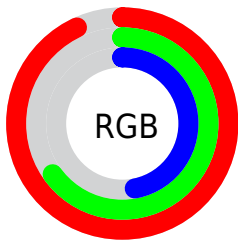
Format	Color
R _Y B	236, 192, 121
Decimal	15508857
CIE Lab	73.63, 21.30, 33.27
CIE LCh	74, 39.502, 57.364
Yxy	46.1236, 0.4225, 0.3784
Android (android.graphics.Color)	4293698937 (0xFFECA579)
YUV	181.2130, -29.6850, 48.0482
Hunter-Lab	67.9144, 16.5052, 26.3534

Details

The Yxy color **46.1236, 0.4225, 0.3784** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **47.8087, 0.2378, 0.2715**, and the grayscale version is **46.4708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5024, 0.3711, 0.3763**, and **21.6252, 0.4517, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **40.6567, 0.4541, 0.3867**, and if you desaturate by 10%, it is **52.3352, 0.3937, 0.3685**.

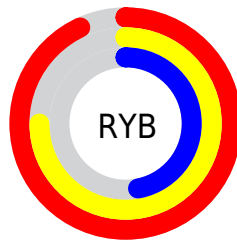
Distribution



Red (93%)

Green (65%)

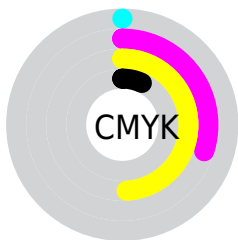
Blue (47%)



Red (93%)

Yellow (75%)

Blue (47%)

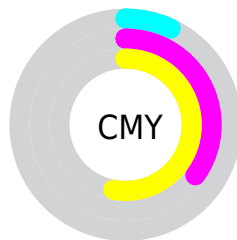


Cyan (0%)

Magenta (30%)

Yellow (49%)

Black (7%)



Cyan (7%)


Magenta (35%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1236, 0.4225, 0.3784 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 46.1236, 0.4225, 0.3784 by changing the saturation by 10% instead.


 46.1236, 0.4225,
0.3784

 46.1236, 0.4225,
0.3784

371.3053, 0.3675,
0.3565

 32.3434, 0.4359,
0.3828


 84.4039, 0.4027,
0.3712

 21.6239, 0.4527,
0.3878


 109.6728, 0.3952,
0.3682

 13.5808, 0.4744,
0.3931


 139.5401, 0.3888,
0.3657

 7.8297, 0.5030,
0.3980

174.3901, 0.3834,
0.3634

 3.9862, 0.5446,
0.4027

214.6072, 0.3786,
0.3613

 1.6658, 0.6016,
0.3984

260.5759, 0.3745,

 0.4014, 0.6923,

0.3595

0.3077

312.6804, 0.3708,
0.3579

0.0000, 0.0000,
0.0000

46.1236, 0.4225,
0.3784

46.1236, 0.4225,
0.3784

40.6567, 0.4541,
0.3867

52.3352, 0.3937,
0.3685

35.8972, 0.4874,
0.3922

59.3133, 0.3682,
0.3580

31.8144, 0.5202,
0.3936

67.0869, 0.3461,
0.3475

28.3716, 0.5499,
0.3899

75.6814, 0.3271,
0.3374

25.5242, 0.5742,
0.3812

85.1212, 0.3108,
0.3278

■ 25.2032, 0.5771,
0.3800

■ 94.9315, 0.3011,
0.3264

■ 96.5742, 0.3011,
0.3290

Harmonies

Analogous

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



46.1236, 0.4137, 0.3353



46.1236, 0.4225, 0.3784



46.1236, 0.3994, 0.4143

Triad

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



46.1236, 0.4225, 0.3784



46.1236, 0.2512, 0.3651



46.1236, 0.2659, 0.2438

Complementary

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



46.1236, 0.4225, 0.3784



47.8087, 0.2378, 0.2715

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.



46.1236, 0.2291, 0.2444



46.1236, 0.4225, 0.3784



46.1236, 0.2209, 0.3092

Square

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



46.1236, 0.4225, 0.3784



46.1236, 0.2994, 0.4127



46.1236, 0.2135, 0.2662



46.1236, 0.3186, 0.2617

Rectangle

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



46.1236, 0.4225, 0.3784



46.1236, 0.3707, 0.4280



46.1236, 0.2135, 0.2662



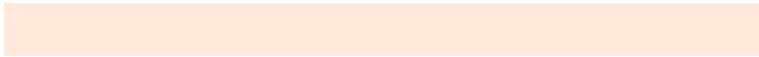
46.1236, 0.2515, 0.2418

Sweetspot

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



46.1259, 0.4225, 0.3784



83.6275, 0.3387, 0.3437



35.3898, 0.3612, 0.2499



17.4462, 0.3429, 0.3459



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.



46.1259, 0.4225, 0.3784



48.7712, 0.4525, 0.3864



70.7528, 0.3916, 0.4342



15.9992, 0.3283, 0.3381



14.1230, 0.5742, 0.3823



1.2899, 0.5484, 0.4028

Inverse Universe

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



47.8087, 0.2378, 0.2715



50.9183, 0.2249, 0.2579



27.8157, 0.2233, 0.1949



16.0973, 0.2981, 0.3198



14.8716, 0.1885, 0.1987



1.3528, 0.1941, 0.2187

Previews

White Background



This preview shows how the Yxy color 46.1236, 0.4225, 0.3784 looks on a white background.

Color Contrast Check

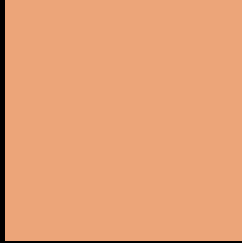
Large Text (above 18pt) WCAG AA × Fail

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 46.1236, 0.4225, 0.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

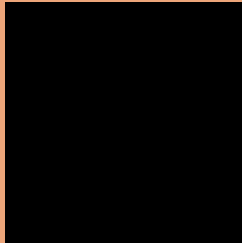
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1236, 0.4225, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 46.1236, 0.4225, 0.3784.



This preview shows how white text looks on a background with the Yxy color 46.1236, 0.4225, 0.3784.

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

46.1236, 0.4225, 0.3784

Protanopia

46.3420, 0.3703, 0.3974

Deuteranopia

46.1245, 0.4027, 0.3936



Tritanopia

45.8813, 0.3815, 0.3158

Trichromacy



Original Color

46.1236, 0.4225, 0.3784

Protanomaly

45.9895, 0.3898, 0.3906

Deuteranomaly

46.1131, 0.4101, 0.3874

Tritanomaly

46.1075, 0.3975, 0.3393

Monochromacy



Original Color

46.1236, 0.4225, 0.3784

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.5807, 0.3501, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1236, 0.4225, 0.3784 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(236, 165, 121)` looks like.

```
.text, #text, p{  
    color:rgb(236, 165, 121)  
}
```

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(236, 165, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 165, 121) }
```

Border

The CSS property to change the border of an element to Yxy 46.1236, 0.4225, 0.3784 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(236, 165, 121) }
```

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

```
.border{ border-color:rgb(236, 165, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 165, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 165, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 165, 121);  
box-shadow:4px 4px 4px 4px rgb(236, 165,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1236, 0.4225, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 165, 121) }
```

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

```
.background{ background-color: rgb(236,  
165, 121) }
```

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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