

Converting Colors

$Y_{xy}(48.1503, 0.4333, 0.4009)$

Have a look what the booklet for
Yxy(48.1503, 0.4333, 0.4009)
contains.

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Color

Yxy(48.1503, 0.4333, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	EDAB69
RGB	237, 171, 105
RGB Percent	93%, 67%, 41%
CMY	0.0705, 0.3294, 0.5883
CMYK	0.00, 0.28, 0.56, 0.07
HSL	30°, 79%, 67%
HSV	30°, 56%, 93%
XYZ	52.0417, 48.1503, 19.9135
YIQ	183.2100, 60.5220, -6.5340

Conversions

Conversions Part 2

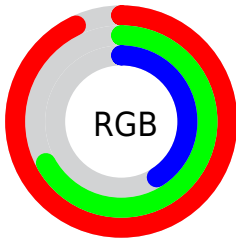
Format	Color
R_{YB}	237, 237, 105
Decimal	15575913
CIE _{Lab}	74.92, 17.15, 43.23
CIE _{LCh}	75, 46.511, 68.359
Yxy	48.1503, 0.4333, 0.4009
Android (android.graphics.Color)	4293765993 (0xFFEDAB69)
YUV	183.2100, -38.5575, 47.1738
Hunter-Lab	69.3904, 12.4390, 31.5584

Details

The Yxy color **48.1503, 0.4333, 0.4009** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.2485, 0.2236, 0.2397**, and the grayscale version is **47.6674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1213, 0.3802, 0.3981**, and **22.9345, 0.4640, 0.4149** is the 20% darker color. If you saturate the color by 10%, you get **43.4528, 0.4610, 0.4101**, and if you desaturate by 10%, it is **53.3899, 0.4065, 0.3892**.

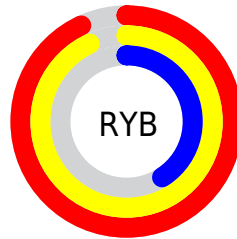
Distribution



Red (93%)

Green (67%)

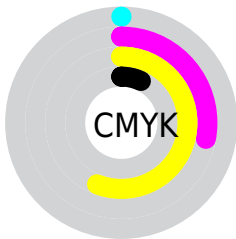
Blue (41%)



Red (93%)

Yellow (93%)

Blue (41%)

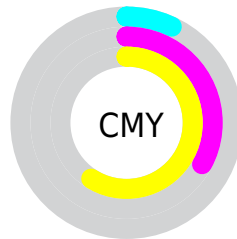


Cyan (0%)

Magenta (28%)

Yellow (56%)

Black (7%)



Cyan (7%)


Magenta (33%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1503, 0.4333, 0.4009 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 48.1503, 0.4333, 0.4009 by changing the saturation by 10% instead.


 48.1503, 0.4333,
0.4009

 48.1503, 0.4333,
0.4009


379.3876, 0.3743,
0.3689


 33.9459, 0.4470,
0.4072


 87.4281, 0.4125,
0.3904


 22.8521, 0.4639,
0.4143


 113.2704, 0.4045,
0.3862

 14.4843, 0.4847,
0.4218

 143.7608, 0.3976,
0.3824

 8.4583, 0.5105,
0.4285

 179.2836, 0.3917,
0.3790

 4.3896, 0.5567,
0.4433

220.2233, 0.3865,
0.3761

 1.8938, 0.5775,
0.4225

266.9642, 0.3819,

 0.5446, 0.6331,

0.3734

0.3669

319.8909, 0.3779,
0.3711

0.0000, 0.0000,
0.0000

48.1503, 0.4333,
0.4009

48.1503, 0.4333,
0.4009

43.4528, 0.4610,
0.4101

53.3899, 0.4065,
0.3892

39.2681, 0.4884,
0.4154

59.1847, 0.3817,
0.3760

35.5741, 0.5135,
0.4157

65.5562, 0.3592,
0.3624

32.3428, 0.5348,
0.4104

72.5224, 0.3393,
0.3489

31.0816, 0.5430,
0.4070

80.1001, 0.3217,
0.3360

■ 88.3057, 0.3064,
0.3239

■ 96.0875, 0.3018,
0.3280

■ 96.7474, 0.3017,
0.3290

Harmonies

Analogous

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



48.1503, 0.4382, 0.3530



48.1503, 0.4333, 0.4009



48.1503, 0.3946, 0.4374

Triad

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



48.1503, 0.4333, 0.4009



48.1503, 0.2262, 0.3461



48.1503, 0.2790, 0.2372

Complementary

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



48.1503, 0.4333, 0.4009



38.2485, 0.2236, 0.2397

Split Complementary

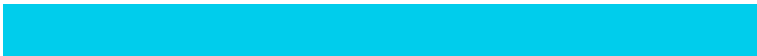
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.1503, 0.2296, 0.2295



48.1503, 0.4333, 0.4009



48.1503, 0.2016, 0.2843

Square

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



48.1503, 0.4333, 0.4009



48.1503, 0.2745, 0.4101



48.1503, 0.2031, 0.2444



48.1503, 0.3435, 0.2640

Rectangle

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



48.1503, 0.4333, 0.4009



48.1503, 0.3569, 0.4469



48.1503, 0.2031, 0.2444



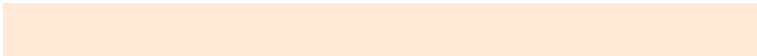
48.1503, 0.2603, 0.2323

Sweetspot

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



48.1527, 0.4333, 0.4009



84.4567, 0.3418, 0.3508



31.1344, 0.3903, 0.2556



17.7141, 0.3457, 0.3534



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.



48.1527, 0.4333, 0.4009



50.4897, 0.4654, 0.4112



78.3388, 0.3939, 0.4597



16.2983, 0.3280, 0.3408



17.2295, 0.5405, 0.4090



1.5453, 0.5192, 0.4259

Inverse Universe

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



38.2485, 0.2236, 0.2397



37.7052, 0.2073, 0.2171



19.6743, 0.2052, 0.1530



15.7935, 0.2981, 0.3169



10.7409, 0.1772, 0.1580



1.0358, 0.1842, 0.1831

Previews

White Background



This preview shows how the Yxy color 48.1503, 0.4333, 0.4009 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 48.1503, 0.4333, 0.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

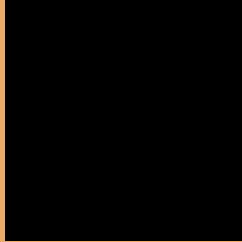
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1503, 0.4333, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 48.1503, 0.4333, 0.4009.



This preview shows how white text looks on a background with the Yxy color 48.1503, 0.4333, 0.4009.

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

48.1503, 0.4333, 0.4009

Protanopia

48.3803, 0.3883, 0.4220

Deuteranopia

48.0577, 0.4197, 0.4110



Tritanopia

48.3442, 0.3778, 0.3160

Trichromacy



Original Color

48.1503, 0.4333, 0.4009

Protanomaly

48.1723, 0.4048, 0.4145

Deuteranomaly

47.9296, 0.4248, 0.4076

Tritanomaly

48.1752, 0.3992, 0.3470

Monochromacy



Original Color

48.1503, 0.4333, 0.4009

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.3033, 0.3545, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1503, 0.4333, 0.4009 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(237, 171, 105)` looks like.

```
.text, #text, p{  
    color:rgb(237, 171, 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(237, 171, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 171, 105) }
```

Border

The CSS property to change the border of an element to Yxy 48.1503, 0.4333, 0.4009 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(237, 171, 105) }
```

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

```
.border{ border-color:rgb(237, 171, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 171, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 171, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 171, 105);  
box-shadow:4px 4px 4px 4px rgb(237, 171,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1503, 0.4333, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 171, 105) }
```

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

```
.background{ background-color: rgb(237,  
171, 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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