

Converting Colors

$Yxy(48.5304, 0.4150, 0.4019)$

Have a look what the booklet for
Yxy(48.5304, 0.4150, 0.4019)
contains.

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Color

Yxy(48.5514, 0.4152, 0.4021)

Conversions

Conversions Part 1

Format	Color
Hex	E3B070
RGB	227, 176, 112
RGB Percent	89%, 69%, 44%
CMY	0.1097, 0.3098, 0.5608
CMYK	0.00, 0.22, 0.51, 0.11
HSL	33°, 67%, 66%
HSV	33°, 51%, 89%
XYZ	50.1332, 48.5514, 22.0600
YIQ	183.9530, 50.9400, -9.0920

Conversions

Conversions Part 2

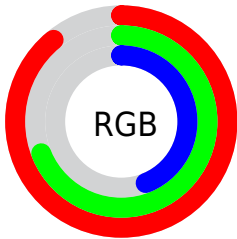
Format	Color
R_{YB}	204, 227, 112
Decimal	14921840
CIE _{Lab}	75.17, 11.01, 39.73
CIE _{LCh}	75, 41.222, 74.516
Yxy	48.5514, 0.4152, 0.4021
Android (android.graphics.Color)	4293111920 (0xFFE3B070)
YUV	183.9530, -35.4728, 37.7522
Hunter-Lab	69.6788, 6.4908, 30.0042

Details

The Yxy color **48.5514, 0.4152, 0.4021** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.1968, 0.2296, 0.2402**, and the grayscale version is **48.0862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6898, 0.3734, 0.3968**, and **23.1981, 0.4413, 0.4189** is the 20% darker color. If you saturate the color by 10%, you get **44.3062, 0.4403, 0.4140**, and if you desaturate by 10%, it is **53.2218, 0.3910, 0.3882**.

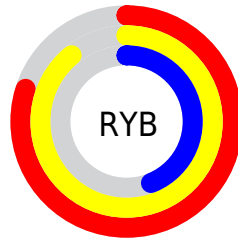
Distribution



Red (89%)

Green (69%)

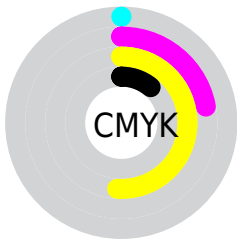
Blue (44%)



Red (80%)

Yellow (89%)

Blue (44%)

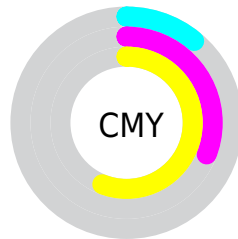


Cyan (0%)

Magenta (22%)

Yellow (51%)

Black (11%)



Cyan (11%)


Magenta (31%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5514, 0.4152, 0.4021 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 48.5514, 0.4152, 0.4021 by changing the saturation by 10% instead.

 48.5514, 0.4152,
0.4021


 48.5514, 0.4152,
0.4021


380.9736, 0.3651,
0.3683


 34.2638, 0.4270,
0.4093


 88.0248, 0.3975,
0.3906


 23.0963, 0.4414,
0.4178


 113.9794, 0.3906,
0.3861

 14.6646, 0.4595,
0.4277


 144.5917, 0.3848,
0.3821

 8.5844, 0.4823,
0.4384

 180.2462, 0.3798,
0.3787

 4.4711, 0.5185,
0.4554

221.3272, 0.3754,
0.3756

 1.9404, 0.5462,
0.4538

268.2192, 0.3715,

 0.5725, 0.5867,

0.3729

0.4133

321.3065, 0.3681,
0.3705

0.0000, 0.0000,
0.0000

48.5514, 0.4152,
0.4021

48.5514, 0.4152,
0.4021

44.3062, 0.4403,
0.4140

53.2218, 0.3910,
0.3882

40.4630, 0.4654,
0.4227

58.3252, 0.3686,
0.3734

37.0066, 0.4890,
0.4270

63.8779, 0.3482,
0.3584

33.9167, 0.5097,
0.4259

69.8930, 0.3299,
0.3438

31.3348, 0.5260,
0.4206

76.3830, 0.3137,
0.3299

■ 83.3597, 0.2995,
0.3169

■ 89.7665, 0.2957,
0.3204

■ 95.0739, 0.2958,
0.3290

Harmonies

Analogous

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



48.5514, 0.4257, 0.3607



48.5514, 0.4152, 0.4021



48.5514, 0.3766, 0.4292

Triad

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



48.5514, 0.4152, 0.4021



48.5514, 0.2292, 0.3325



48.5514, 0.2942, 0.2502

Complementary

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



48.5514, 0.4152, 0.4021



35.1968, 0.2296, 0.2402

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.



48.5514, 0.2462, 0.2396



48.5514, 0.4152, 0.4021



48.5514, 0.2115, 0.2810

Square

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



48.5514, 0.4152, 0.4021



48.5514, 0.2690, 0.3897



48.5514, 0.2175, 0.2492



48.5514, 0.3522, 0.2776

Rectangle

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



48.5514, 0.4152, 0.4021



48.5514, 0.3416, 0.4319



48.5514, 0.2175, 0.2492



48.5514, 0.2764, 0.2446

Sweetspot

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



48.5537, 0.4152, 0.4021



87.4243, 0.3377, 0.3502



30.5957, 0.3896, 0.2699



18.3583, 0.3416, 0.3533



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.



48.5537, 0.4152, 0.4021



57.2854, 0.4422, 0.4148



71.5325, 0.3821, 0.4533



15.6912, 0.3279, 0.3421



18.5076, 0.5239, 0.4222



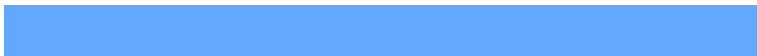
1.5522, 0.5045, 0.4376

Inverse Universe

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



35.1968, 0.2296, 0.2402



38.0715, 0.2128, 0.2171



20.9718, 0.2197, 0.1700



14.9343, 0.2981, 0.3156



8.8532, 0.1722, 0.1399



0.8370, 0.1800, 0.1681

Previews

White Background



This preview shows how the Yxy color 48.5514, 0.4152, 0.4021 looks on a white background.

Color Contrast Check

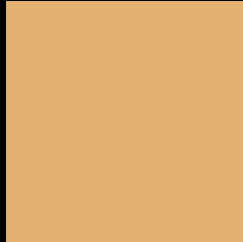
Large Text (above 18pt) WCAG AA × Fail

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 48.5514, 0.4152, 0.4021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

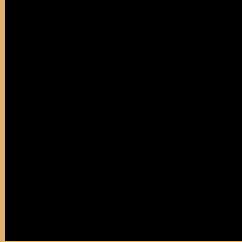
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5514, 0.4152, 0.4021

Background



This preview shows how black text looks on a background with the Yxy color 48.5514, 0.4152, 0.4021.



This preview shows how white text looks on a background with the Yxy color 48.5514, 0.4152, 0.4021.

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

48.5514, 0.4152, 0.4021

Protanopia

48.5154, 0.3837, 0.4150

Deuteranopia

48.6217, 0.4127, 0.4038



Tritanopia

48.6242, 0.3624, 0.3156

Trichromacy



Original Color

48.5514, 0.4152, 0.4021

Protanomaly

48.5426, 0.3945, 0.4101

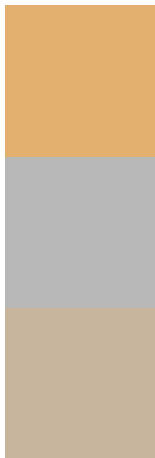
Deuteranomaly

48.7829, 0.4136, 0.4035

Tritanomaly

48.4813, 0.3831, 0.3476

Monochromacy



Original Color

48.5514, 0.4152, 0.4021

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.7957, 0.3486, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5514, 0.4152, 0.4021 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(227, 176, 112)` looks like.

```
.text, #text, p{  
    color:rgb(227, 176, 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(227, 176, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 176, 112) }
```

Border

The CSS property to change the border of an element to Yxy 48.5514, 0.4152, 0.4021 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(227, 176, 112) }
```

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

```
.border{ border-color:rgb(227, 176, 112) }
```

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

Here you see how a box with a 4 pixel rgb(227, 176, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 176, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 176, 112);  
box-shadow:4px 4px 4px 4px rgb(227, 176,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5514, 0.4152, 0.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 176, 112) }
```

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

```
.background{ background-color: rgb(227,  
176, 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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