

Converting Colors

$Y_{xy}(48.7911, 0.4327, 0.4157)$

Have a look what the booklet for
Yxy(48.7911, 0.4327, 0.4157)
contains.

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Color

Yxy(48.6603, 0.4329, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	E8AF60
RGB	232, 175, 96
RGB Percent	91%, 69%, 38%
CMY	0.0902, 0.3137, 0.6235
CMYK	0.00, 0.25, 0.59, 0.09
HSL	35°, 75%, 64%
HSV	35°, 59%, 91%
XYZ	50.7225, 48.6603, 17.7863
YIQ	183.0370, 59.3310, -12.4850

Conversions

Conversions Part 2

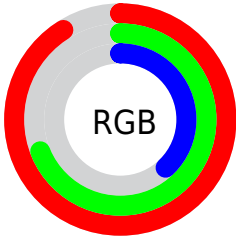
Format	Color
RYB	194, 232, 96
Decimal	15249248
CIELab	75.24, 12.29, 47.98
CIELCh	75, 49.528, 75.634
Yxy	48.6603, 0.4329, 0.4153
Android (android.graphics.Color)	4293439328 (0xFFE8AF60)
YUV	183.0370, -42.9092, 42.9406
Hunter-Lab	69.7569, 7.7184, 33.7124

Details

The Yxy color **48.6603, 0.4329, 0.4153** is a light color, and the websafe version is hex **CC9933**. A complement of this color would be **31.1006, 0.2159, 0.2181**, and the grayscale version is **47.5926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0236, 0.3846, 0.4106**, and **23.2474, 0.4610, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **44.6461, 0.4570, 0.4253**, and if you desaturate by 10%, it is **53.0780, 0.4087, 0.4024**.

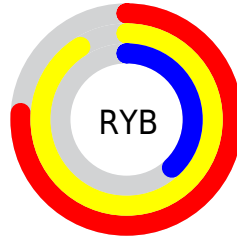
Distribution



Red (91%)

Green (69%)

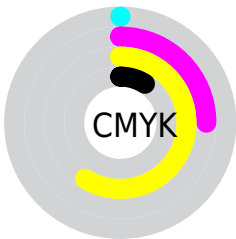
Blue (38%)



Red (76%)

Yellow (91%)

Blue (38%)

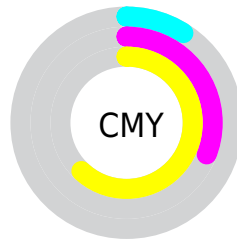


Cyan (0%)

Magenta (25%)

Yellow (59%)

Black (9%)



Cyan (9%)


Magenta (31%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6603, 0.4329, 0.4153 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 48.6603, 0.4329, 0.4153 by changing the saturation by 10% instead.


 48.6603, 0.4329,
0.4153


 48.6603, 0.4329,
0.4153


381.4035, 0.3750,
0.3765


 34.3501, 0.4460,
0.4231


 88.1867, 0.4127,
0.4025

 23.1627, 0.4617,
0.4319

 114.1717, 0.4049,
0.3973

 14.7137, 0.4807,
0.4412


 144.8171, 0.3981,
0.3927

 8.6187, 0.5033,
0.4501

 180.5072, 0.3922,
0.3887

 4.4933, 0.5374,
0.4626

221.6265, 0.3871,
0.3851

 1.9532, 0.5526,
0.4474

268.5594, 0.3826,

 0.5800, 0.5948,

0.3819

0.4052

321.6903, 0.3786,
0.3790

0.0000, 0.0000,
0.0000

48.6603, 0.4329,
0.4153

48.6603, 0.4329,
0.4153

44.6461, 0.4570,
0.4253

53.0780, 0.4087,
0.4024

41.0111, 0.4799,
0.4310

57.9076, 0.3855,
0.3876

37.7383, 0.5000,
0.4316

63.1660, 0.3638,
0.3721

34.8015, 0.5167,
0.4270

68.8665, 0.3441,
0.3565

34.4184, 0.5189,
0.4262

75.0221, 0.3264,
0.3414

■ 81.6447, 0.3107,
0.3271

■ 88.5242, 0.2987,
0.3170

■ 94.5025, 0.2987,
0.3268

■ 95.8973, 0.2988,
0.3290

Harmonies

Analogous

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



48.6603, 0.4483, 0.3662



48.6603, 0.4329, 0.4153



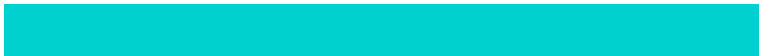
48.6603, 0.3851, 0.4494

Triad

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



48.6603, 0.4329, 0.4153



48.6603, 0.2125, 0.3295



48.6603, 0.2925, 0.2376

Complementary

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



48.6603, 0.4329, 0.4153



31.1006, 0.2159, 0.2181

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.



48.6603, 0.2355, 0.2242



48.6603, 0.4329, 0.4153



48.6603, 0.1936, 0.2686

Square

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



48.6603, 0.4329, 0.4153



48.6603, 0.2577, 0.4006



48.6603, 0.2017, 0.2334



48.6603, 0.3622, 0.2698

Rectangle

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



48.6603, 0.4329, 0.4153



48.6603, 0.3430, 0.4535



48.6603, 0.2017, 0.2334



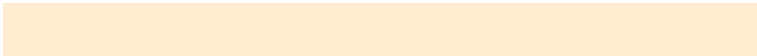
48.6603, 0.2713, 0.2308

Sweetspot

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



48.6627, 0.4329, 0.4153



85.7215, 0.3431, 0.3557



27.8887, 0.4118, 0.2647



17.8915, 0.3487, 0.3602



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.



48.6627, 0.4329, 0.4153



54.5039, 0.4611, 0.4266



74.2418, 0.3890, 0.4705



15.7517, 0.3278, 0.3426



19.3605, 0.5169, 0.4278



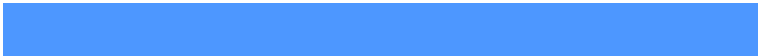
1.6134, 0.4988, 0.4422

Inverse Universe

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



31.1006, 0.2159, 0.2181



31.0135, 0.1986, 0.1913



17.2012, 0.2046, 0.1432



14.8749, 0.2981, 0.3150



8.2423, 0.1701, 0.1324



0.7893, 0.1781, 0.1611

Previews

White Background



This preview shows how the Yxy color 48.6603, 0.4329, 0.4153 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 48.6603, 0.4329, 0.4153 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 48.6603, 0.4329, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 48.6603, 0.4329, 0.4153.



This preview shows how white text looks on a background with the Yxy color 48.6603, 0.4329, 0.4153.

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

48.6603, 0.4329, 0.4153

Protanopia

48.8753, 0.3969, 0.4334

Deuteranopia

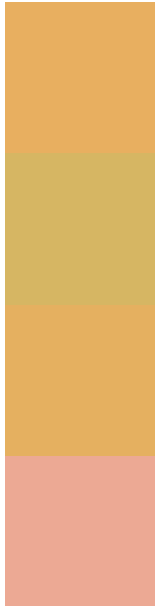
48.7828, 0.4278, 0.4189



Tritanopia

48.8375, 0.3704, 0.3158

Trichromacy



Original Color

48.6603, 0.4329, 0.4153

Protanomaly

48.6529, 0.4094, 0.4264

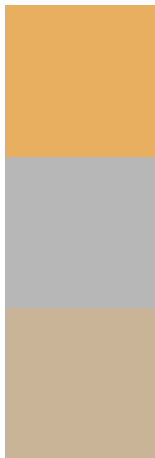
Deuteranomaly

48.5532, 0.4295, 0.4175

Tritanomaly

48.3469, 0.3952, 0.3530

Monochromacy



Original Color

48.6603, 0.4329, 0.4153

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.2944, 0.3558, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6603, 0.4329, 0.4153 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(232, 175, 96)` looks like.

```
.text, #text, p{  
    color:rgb(232, 175, 96)  
}
```

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(232, 175, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 175, 96) }
```

Border

The CSS property to change the border of an element to Yxy 48.6603, 0.4329, 0.4153 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(232, 175, 96) }
```

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

```
.border{ border-color:rgb(232, 175, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 175, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 175, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 175, 96);  
box-shadow:4px 4px 4px 4px rgb(232, 175,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6603, 0.4329, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 175, 96) }
```

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

```
.background{ background-color: rgb(232,  
175, 96) }
```

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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