

Converting Colors

$Y_{xy}(46.1513, 0.4098, 0.4040)$

Have a look what the booklet for
Yxy(46.1513, 0.4098, 0.4040)
contains.

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Color

Yxy(46.3033, 0.4097, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	DAAE6E
RGB	218, 174, 110
RGB Percent	85%, 68%, 43%
CMY	0.1451, 0.3176, 0.5686
CMYK	0.00, 0.20, 0.50, 0.15
HSL	36°, 59%, 64%
HSV	36°, 50%, 85%
XYZ	46.8638, 46.3033, 21.2185
YIQ	179.8600, 46.7680, -10.5760

Conversions

Conversions Part 2

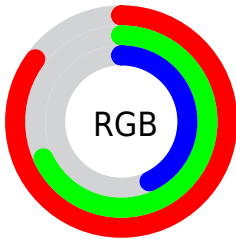
Format	Color
RYB	184, 218, 110
Decimal	14331502
CIELab	73.74, 8.19, 38.77
CIELCh	74, 39.629, 78.078
Yxy	46.3033, 0.4097, 0.4048
Android (android.graphics.Color)	4292521582 (0xFFDAAE6E)
YUV	179.8600, -34.4410, 33.4488
Hunter-Lab	68.0465, 3.8519, 29.1445

Details

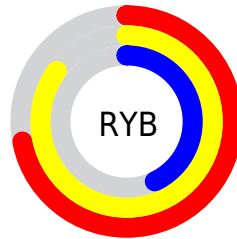
The Yxy color **46.3033, 0.4097, 0.4048** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.4857, 0.2305, 0.2369**, and the grayscale version is **45.7333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9430, 0.3758, 0.3960**, and **21.8331, 0.4346, 0.4217** is the 20% darker color. If you saturate the color by 10%, you get **42.5689, 0.4334, 0.4178**, and if you desaturate by 10%, it is **50.3858, 0.3868, 0.3900**.

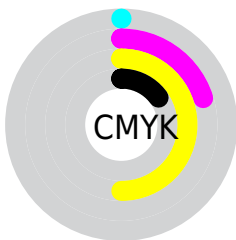
Distribution



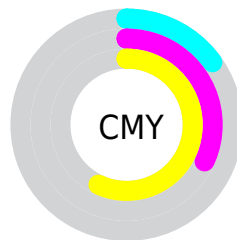
- Red (85%)
- Green (68%)
- Blue (43%)



- Red (72%)
- Yellow (85%)
- Blue (43%)



- Cyan (0%)
- Magenta (20%)
- Yellow (50%)
- Black (15%)





- Cyan (15%)
- Magenta (32%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3033, 0.4097, 0.4048 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 46.3033, 0.4097, 0.4048 by changing the saturation by 10% instead.


 46.3033, 0.4097,
0.4048

 46.3033, 0.4097,
0.4048


372.0267, 0.3620,
0.3690


 32.4852, 0.4210,
0.4127


 84.6727, 0.3927,
0.3925


 21.7324, 0.4349,
0.4221


 109.9929, 0.3862,
0.3876

 13.6604, 0.4523,
0.4333

 139.9158, 0.3807,
0.3834

 7.8848, 0.4742,
0.4459

 174.8260, 0.3759,
0.3798

 4.0214, 0.5131,
0.4693

215.1078, 0.3717,
0.3766

 1.6855, 0.5337,
0.4663

261.1456, 0.3681,

 0.4143, 0.5890,

0.3738

0.4110

313.3237, 0.3648,
0.3713

0.0000, 0.0000,
0.0000

46.3033, 0.4097,
0.4048

46.3033, 0.4097,
0.4048

42.5689, 0.4334,
0.4178

50.3858, 0.3868,
0.3900

39.1629, 0.4569,
0.4277

54.8218, 0.3653,
0.3742

36.0730, 0.4789,
0.4333


59.6248, 0.3456,
0.3584

33.2830, 0.4983,
0.4338

64.8054, 0.3279,
0.3430


30.7680, 0.5143,
0.4295


70.3737, 0.3120,
0.3283

 30.6581, 0.5151,
0.4292

 76.3394, 0.2980,
0.3146

 82.2124, 0.2899,
0.3095

 87.4586, 0.2902,
0.3187

 92.9628, 0.2905,
0.3278

Harmonies

Analogous

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



46.3033, 0.4236, 0.3654



46.3033, 0.4097, 0.4048



46.3033, 0.3696, 0.4284

Triad

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



46.3033, 0.4097, 0.4048



46.3033, 0.2278, 0.3259



46.3033, 0.3012, 0.2542

Complementary

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



46.3033, 0.4097, 0.4048



31.4857, 0.2305, 0.2369

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.



46.3033, 0.2523, 0.2417



46.3033, 0.4097, 0.4048



46.3033, 0.2131, 0.2773

Square

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



46.3033, 0.4097, 0.4048



46.3033, 0.2645, 0.3821



46.3033, 0.2217, 0.2487



46.3033, 0.3579, 0.2827

Rectangle

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



46.3033, 0.4097, 0.4048



46.3033, 0.3346, 0.4282



46.3033, 0.2217, 0.2487



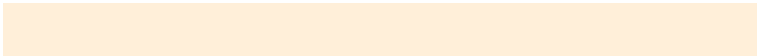
46.3033, 0.2833, 0.2481

Sweetspot

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



46.3055, 0.4097, 0.4048



88.2354, 0.3375, 0.3515



28.4236, 0.3915, 0.2754



18.5538, 0.3414, 0.3548



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.



46.3055, 0.4097, 0.4048



60.7274, 0.4334, 0.4178



64.8235, 0.3778, 0.4520



14.3280, 0.3277, 0.3428



18.5839, 0.5133, 0.4307



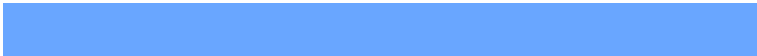
1.3717, 0.4939, 0.4461

Inverse Universe

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



31.4857, 0.2305, 0.2369



37.4087, 0.2143, 0.2141



20.1355, 0.2250, 0.1754



13.4838, 0.2982, 0.3148



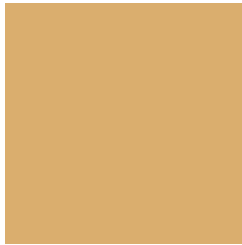
7.4927, 0.1692, 0.1292



0.6520, 0.1783, 0.1617

Previews

White Background



This preview shows how the Yxy color 46.3033, 0.4097, 0.4048 looks on a white background.

Color Contrast Check

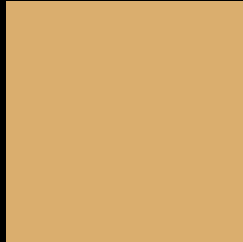
Large Text (above 18pt) WCAG AA × Fail

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 46.3033, 0.4097, 0.4048 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 46.3033, 0.4097, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 46.3033, 0.4097, 0.4048.



This preview shows how white text looks on a background with the Yxy color 46.3033, 0.4097, 0.4048.

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

46.3033, 0.4097, 0.4048

Protanopia

46.2458, 0.3844, 0.4154

Deuteranopia

46.2286, 0.4122, 0.4031



Tritanopia

46.3341, 0.3564, 0.3151

Trichromacy



Original Color

46.3033, 0.4097, 0.4048

Protanomaly

45.9898, 0.3934, 0.4110

Deuteranomaly

46.0730, 0.4113, 0.4034

Tritanomaly

46.2054, 0.3773, 0.3482

Monochromacy



Original Color

46.3033, 0.4097, 0.4048

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6767, 0.3464, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3033, 0.4097, 0.4048 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(218, 174, 110)` looks like.

```
.text, #text, p{  
    color:rgb(218, 174, 110)  
}
```

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(218, 174, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 174, 110) }
```

Border

The CSS property to change the border of an element to Yxy 46.3033, 0.4097, 0.4048 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(218, 174, 110) }
```

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

```
.border{ border-color:rgb(218, 174, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 174, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 174, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 174, 110);  
box-shadow:4px 4px 4px 4px rgb(218, 174,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3033, 0.4097, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 174, 110) }
```

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

```
.background{ background-color: rgb(218,  
174, 110) }
```

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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