

Converting Colors

$Yxy(47.0097, 0.4311, 0.4564)$

Have a look what the booklet for
Yxy(47.0097, 0.4311, 0.4564)
contains.

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Color

Yxy(47.0097, 0.4311, 0.4564)

Conversions

Conversions Part 1

Format	Color
Hex	D4B440
RGB	212, 180, 64
RGB Percent	83%, 71%, 25%
CMY	0.1685, 0.2941, 0.7489
CMYK	0.00, 0.15, 0.70, 0.17
HSL	47°, 63%, 54%
HSV	47°, 70%, 83%
XYZ	44.4038, 47.0097, 11.5876
YIQ	176.3440, 56.3080, -29.2920

Conversions

Conversions Part 2

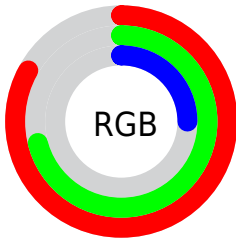
Format	Color
RYB	105, 212, 64
Decimal	13939776
CIELab	74.20, -0.81, 60.73
CIELCh	74, 60.738, 90.761
Yxy	47.0097, 0.4311, 0.4564
Android (android.graphics.Color)	4292129856 (0xFFD4B440)
YUV	176.3440, -55.3856, 31.2703
Hunter-Lab	68.5636, -4.3846, 37.9742

Details

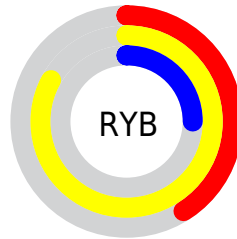
The Yxy color **47.0097, 0.4311, 0.4564** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **14.2216, 0.1885, 0.1474**, and the grayscale version is **43.8817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5589, 0.4001, 0.4434**, and **22.3084, 0.4521, 0.4792** is the 20% darker color. If you saturate the color by 10%, you get **44.9926, 0.4448, 0.4654**, and if you desaturate by 10%, it is **49.1844, 0.4152, 0.4433**.

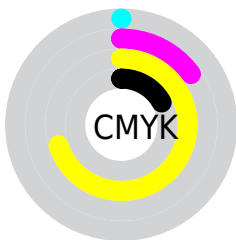
Distribution



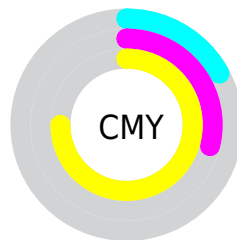
- Red (83%)
- Green (71%)
- Blue (25%)



- Red (41%)
- Yellow (83%)
- Blue (25%)



- Cyan (0%)
- Magenta (15%)
- Yellow (70%)
- Black (17%)



- Cyan (17%)
- Magenta (29%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0097, 0.4311, 0.4564 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 47.0097, 0.4311, 0.4564 by changing the saturation by 10% instead.


 47.0097, 0.4311,
0.4564


 47.0097, 0.4311,
0.4564


374.8532, 0.3768,
0.3977

 33.0433, 0.4419,
0.4682


 85.7281, 0.4132,
0.4370

 22.1596, 0.4539,
0.4813


 111.2489, 0.4059,
0.4291

 13.9742, 0.4663,
0.4952


 141.3900, 0.3995,
0.4221

 8.1028, 0.4845,
0.5155

 176.5357, 0.3938,
0.4160

 4.1608, 0.4838,
0.5162

 217.0705, 0.3888,
0.4106

 1.7639, 0.4826,
0.5174

263.3788, 0.3844,

 0.4645, 0.4759,

0.4058

0.5241

315.8449, 0.3804,
0.4015

■ 0.0000, 0.0000,
0.0000

■ 47.0097, 0.4311,
0.4564

■ 47.0097, 0.4311,
0.4564

■ 44.9926, 0.4448,
0.4654

■ 49.1844, 0.4152,
0.4433

■ 43.1146, 0.4556,
0.4697

■ 51.5198, 0.3978,
0.4268

■ 41.3579, 0.4639,
0.4698

■ 54.0268, 0.3798,
0.4081

■ 41.3238, 0.4640,
0.4698

■ 56.7135, 0.3617,
0.3882

■ 59.5869, 0.3443,
0.3679

■ 62.6540, 0.3278,
0.3479

■ 65.9209, 0.3124,
0.3286

■ 69.3936, 0.2984,
0.3104

■ 73.0779, 0.2856,
0.2934

Harmonies

Analogous

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



47.0097, 0.4746, 0.4005



47.0097, 0.4311, 0.4564



47.0097, 0.3595, 0.4855

Triad

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



47.0097, 0.4311, 0.4564



47.0097, 0.1764, 0.2859



47.0097, 0.3295, 0.2362

Complementary

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



47.0097, 0.4311, 0.4564



14.2216, 0.1885, 0.1474

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.



47.0097, 0.2498, 0.2087



47.0097, 0.4311, 0.4564



47.0097, 0.1713, 0.2286

Square

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



47.0097, 0.4311, 0.4564



47.0097, 0.2133, 0.3736



47.0097, 0.1958, 0.2048



47.0097, 0.4149, 0.2824

Rectangle

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



47.0097, 0.4311, 0.4564



47.0097, 0.3059, 0.4739



47.0097, 0.1958, 0.2048



47.0097, 0.3008, 0.2247

Sweetspot

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



47.0120, 0.4311, 0.4564



89.8459, 0.3467, 0.3708



18.5168, 0.4966, 0.2956



18.9663, 0.3515, 0.3765



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.



47.0120, 0.4311, 0.4564



66.8457, 0.4507, 0.4682



56.0255, 0.3714, 0.5065



14.0426, 0.3272, 0.3472



25.6572, 0.4633, 0.4704



1.6635, 0.4542, 0.4776

Inverse Universe

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



14.2216, 0.1885, 0.1474



14.5288, 0.1681, 0.1091



11.4864, 0.2078, 0.1214



12.4400, 0.2982, 0.3102



4.2560, 0.1565, 0.0833



0.3807, 0.1655, 0.1157

Previews

White Background



This preview shows how the Yxy color 47.0097, 0.4311, 0.4564 looks on a white background.

Color Contrast Check

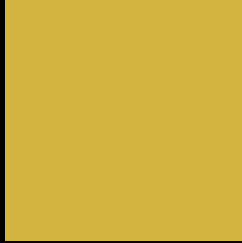
Large Text (above 18pt) WCAG AA × Fail

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 47.0097, 0.4311, 0.4564 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 47.0097, 0.4311, 0.4564

Background



This preview shows how black text looks on a background with the Yxy color 47.0097, 0.4311, 0.4564.



This preview shows how white text looks on a background with the Yxy color 47.0097, 0.4311, 0.4564.

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

47.0097, 0.4311, 0.4564

Protanopia

47.0860, 0.4207, 0.4629

Deuteranopia

46.7745, 0.4506, 0.4398



Tritanopia

46.7136, 0.3504, 0.3138

Trichromacy



Original Color

47.0097, 0.4311, 0.4564

Protanomaly

47.1029, 0.4243, 0.4603

Deuteranomaly

46.9619, 0.4431, 0.4465

Tritanomaly

46.2455, 0.3863, 0.3702

Monochromacy



Original Color

47.0097, 0.4311, 0.4564

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.0124, 0.3593, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0097, 0.4311, 0.4564 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(212, 180, 64)` looks like.

```
.text, #text, p{  
    color:rgb(212, 180, 64)  
}
```

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(212, 180, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 180, 64) }
```

Border

The CSS property to change the border of an element to Yxy 47.0097, 0.4311, 0.4564 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(212, 180, 64) }
```

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

```
.border{ border-color:rgb(212, 180, 64) }
```

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

Here you see how a box with a 4 pixel rgb(212, 180, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 180, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 180, 64);  
box-shadow:4px 4px 4px 4px rgb(212, 180,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0097, 0.4311, 0.4564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 180, 64) }
```

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

```
.background{ background-color: rgb(212,  
180, 64) }
```

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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