

Converting Colors

$Y_{xy}(47.7917, 0.4293, 0.4589)$

Have a look what the booklet for
Yxy(47.7917, 0.4293, 0.4589)
contains.

Yxy(47.8118, 0.4299, 0.4590)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8118, 0.4299, 0.4590)

Conversions

Conversions Part 1

Format	Color
Hex	D4B63F
RGB	212, 182, 63
RGB Percent	83%, 71%, 25%
CMY	0.1686, 0.2863, 0.7529
CMYK	0.00, 0.14, 0.70, 0.17
HSL	48°, 63%, 54%
HSV	48°, 70%, 83%
XYZ	44.7806, 47.8118, 11.5727
YIQ	177.4040, 56.0790, -30.6490

Conversions

Conversions Part 2

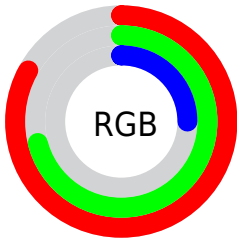
Format	Color
RYB	101, 212, 63
Decimal	13940287
CIELab	74.71, -1.91, 61.65
CIElCh	75, 61.682, 91.775
Yxy	47.8118, 0.4299, 0.4590
Android (android.graphics.Color)	4292130367 (0xFFD4B63F)
YUV	177.4040, -56.4012, 30.3407
Hunter-Lab	69.1461, -5.4049, 38.4791

Details

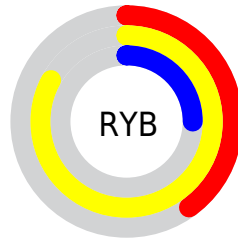
The Yxy color **47.8118, 0.4299, 0.4590** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **13.6463, 0.1870, 0.1429**, and the grayscale version is **44.4735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6934, 0.3996, 0.4458**, and **22.8353, 0.4493, 0.4815** is the 20% darker color. If you saturate the color by 10%, you get **45.8979, 0.4429, 0.4680**, and if you desaturate by 10%, it is **49.8749, 0.4146, 0.4458**.

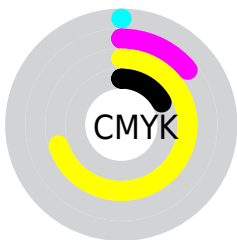
Distribution



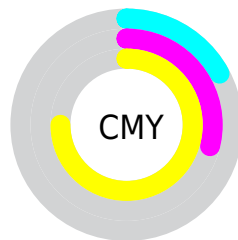
- Red (83%)
- Green (71%)
- Blue (25%)



- Red (40%)
- Yellow (83%)
- Blue (25%)



- Cyan (0%)
- Magenta (14%)
- Yellow (70%)
- Black (17%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8118, 0.4299, 0.4590 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 47.8118, 0.4299, 0.4590 by changing the saturation by 10% instead.


 47.8118, 0.4299,
0.4590


 47.8118, 0.4299,
0.4590


378.0457, 0.3766,
0.3991


 33.6779, 0.4404,
0.4710


 86.9241, 0.4124,
0.4392

 22.6462, 0.4519,
0.4845


 112.6713, 0.4053,
0.4311


 14.3325, 0.4637,
0.4987


 143.0584, 0.3990,
0.4241

 8.3523, 0.4807,
0.5193

 178.4697, 0.3934,
0.4178

 4.3212, 0.4791,
0.5209

 219.2897, 0.3885,
0.4123

 1.8548, 0.4764,
0.5236

265.9028, 0.3841,

 0.5210, 0.4626,

0.4074

0.5374

318.6933, 0.3801,
0.4031

0.0000, 0.0000,
0.0000

47.8118, 0.4299,
0.4590

47.8118, 0.4299,
0.4590

45.8979, 0.4429,
0.4680

49.8749, 0.4146,
0.4458

44.1147, 0.4531,
0.4723

52.0901, 0.3977,
0.4293

42.4886, 0.4605,
0.4726

54.4685, 0.3800,
0.4104

57.0178, 0.3623,
0.3902

59.7452, 0.3450,
0.3696

■ 62.6573, 0.3285,
0.3492

■ 65.7604, 0.3131,
0.3295

■ 69.0604, 0.2990,
0.3109

■ 72.5628, 0.2861,
0.2935

Harmonies

Analogous

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



47.8118, 0.4752, 0.4029



47.8118, 0.4299, 0.4590



47.8118, 0.3570, 0.4872

Triad

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



47.8118, 0.4299, 0.4590



47.8118, 0.1746, 0.2829



47.8118, 0.3326, 0.2368

Complementary

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



47.8118, 0.4299, 0.4590



13.6463, 0.1870, 0.1429

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.



47.8118, 0.2516, 0.2083



47.8118, 0.4299, 0.4590



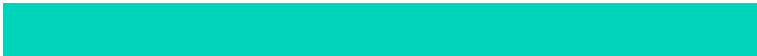
47.8118, 0.1705, 0.2264

Square

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



47.8118, 0.4299, 0.4590



47.8118, 0.2106, 0.3707



47.8118, 0.1962, 0.2034



47.8118, 0.4185, 0.2838

Rectangle

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



47.8118, 0.4299, 0.4590



47.8118, 0.3030, 0.4741



47.8118, 0.1962, 0.2034



47.8118, 0.3035, 0.2249

Sweetspot

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



47.8141, 0.4299, 0.4590



90.3271, 0.3466, 0.3716



18.3880, 0.4985, 0.2956



19.0819, 0.3513, 0.3773



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.



47.8141, 0.4299, 0.4590



68.4290, 0.4479, 0.4705



55.9784, 0.3715, 0.5075



14.0751, 0.3271, 0.3475



26.3708, 0.4598, 0.4731



1.7008, 0.4515, 0.4797

Inverse Universe

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



13.6463, 0.1870, 0.1429



14.0207, 0.1672, 0.1060



11.3284, 0.2070, 0.1201



12.4099, 0.2982, 0.3098



4.1028, 0.1558, 0.0807



0.3666, 0.1645, 0.1123

Previews

White Background



This preview shows how the Yxy color 47.8118, 0.4299, 0.4590 looks on a white background.

Color Contrast Check

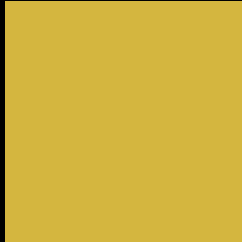
Large Text (above 18pt) WCAG AA × Fail

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 47.8118, 0.4299, 0.4590 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 47.8118, 0.4299, 0.4590

Background



This preview shows how black text looks on a background with the Yxy color 47.8118, 0.4299, 0.4590.



This preview shows how white text looks on a background with the Yxy color 47.8118, 0.4299, 0.4590.

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

47.8118, 0.4299, 0.4590

Protanopia

47.7730, 0.4222, 0.4635

Deuteranopia

47.8646, 0.4511, 0.4414



Tritanopia

47.5405, 0.3482, 0.3138

Trichromacy



Original Color

47.8118, 0.4299, 0.4590

Protanomaly

47.6470, 0.4249, 0.4615

Deuteranomaly

47.8989, 0.4428, 0.4486

Tritanomaly

47.0416, 0.3845, 0.3713

Monochromacy



Original Color

47.8118, 0.4299, 0.4590

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.9649, 0.3587, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8118, 0.4299, 0.4590 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, 182, 63)` looks like.

```
.text, #text, p{  
    color:rgb(212, 182, 63)  
}
```

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, 182, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 182, 63) }
```

Border

The CSS property to change the border of an element to Yxy 47.8118, 0.4299, 0.4590 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, 182, 63) }
```

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

```
.border{ border-color:rgb(212, 182, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 182, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 182, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 182, 63);  
box-shadow:4px 4px 4px 4px rgb(212, 182,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8118, 0.4299, 0.4590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 182, 63) }
```

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

```
.background{ background-color: rgb(212,  
182, 63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor