

Converting Colors

$Yxy(46.9337, 0.4280, 0.4521)$

Have a look what the booklet for
Yxy(46.9337, 0.4280, 0.4521)
contains.

Yxy(47.0818, 0.4278, 0.4519)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.0818, 0.4278, 0.4519)

Conversions

Conversions Part 1

Format	Color
Hex	D4B446
RGB	212, 180, 70
RGB Percent	83%, 71%, 27%
CMY	0.1688, 0.2940, 0.7255
CMYK	0.00, 0.15, 0.67, 0.17
HSL	46°, 62%, 55%
HSV	46°, 67%, 83%
XYZ	44.5709, 47.0818, 12.5336
YIQ	177.0280, 54.3820, -27.4260

Conversions

Conversions Part 2

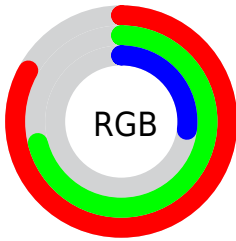
Format	Color
RYB	111, 212, 70
Decimal	13939782
CIELab	74.24, -0.52, 58.30
CIELCh	74, 58.302, 90.510
Yxy	47.0818, 0.4278, 0.4519
Android (android.graphics.Color)	4292129862 (0xFFD4B446)
YUV	177.0280, -52.7648, 30.6704
Hunter-Lab	68.6162, -4.1303, 37.2013

Details

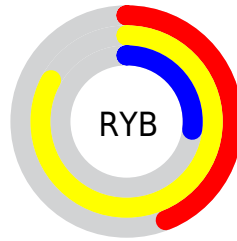
The Yxy color **47.0818, 0.4278, 0.4519** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **15.5479, 0.1935, 0.1571**, and the grayscale version is **44.2431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6810, 0.3974, 0.4392**, and **22.3237, 0.4505, 0.4769** is the 20% darker color. If you saturate the color by 10%, you get **44.9686, 0.4425, 0.4620**, and if you desaturate by 10%, it is **49.3602, 0.4111, 0.4379**.

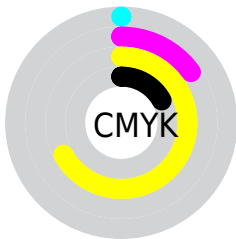
Distribution



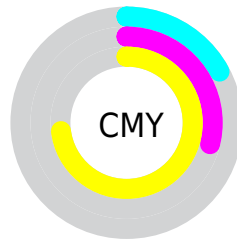
- Red (83%)
- Green (71%)
- Blue (27%)



- Red (44%)
- Yellow (83%)
- Blue (27%)



- Cyan (0%)
- Magenta (15%)
- Yellow (67%)
- Black (17%)





- Cyan (17%)
- Magenta (29%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0818, 0.4278, 0.4519 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 47.0818, 0.4278, 0.4519 by changing the saturation by 10% instead.


 47.0818, 0.4278,
0.4519

 47.0818, 0.4278,
0.4519

375.1409, 0.3746,
0.3949

 33.1003, 0.4386,
0.4636


 85.8357, 0.4101,
0.4329


 22.2033, 0.4508,
0.4768


 111.3769, 0.4029,
0.4252

 14.0064, 0.4639,
0.4910


 141.5402, 0.3966,
0.4185

 8.1251, 0.4839,
0.5128

 176.7099, 0.3911,
0.4126

 4.1751, 0.4851,
0.5149

 217.2704, 0.3862,
0.4073

 1.7720, 0.4843,
0.5157

263.6062, 0.3819,

 0.4696, 0.4801,

0.4027

0.5199

316.1016, 0.3780,
0.3986

■ 0.0000, 0.0000,
0.0000

■ 47.0818, 0.4278,
0.4519

■ 47.0818, 0.4278,
0.4519

■ 44.9686, 0.4425,
0.4620

■ 49.3602, 0.4111,
0.4379

■ 43.0029, 0.4545,
0.4675

■ 51.8067, 0.3932,
0.4208

■ 41.1722, 0.4636,
0.4683

■ 54.4320, 0.3749,
0.4019

■ 40.6372, 0.4661,
0.4681

■ 57.2439, 0.3569,
0.3819

■ 60.2496, 0.3396,
0.3618

■ 63.4558, 0.3233,
0.3422

■ 66.8687, 0.3083,
0.3234

■ 70.4942, 0.2946,
0.3058

■ 73.9604, 0.2855,
0.2951

Harmonies

Analogous

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



47.0818, 0.4689, 0.3984



47.0818, 0.4278, 0.4519



47.0818, 0.3590, 0.4790

Triad

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



47.0818, 0.4278, 0.4519



47.0818, 0.1812, 0.2887



47.0818, 0.3283, 0.2391

Complementary

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



47.0818, 0.4278, 0.4519



15.5479, 0.1935, 0.1571

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.



47.0818, 0.2517, 0.2125



47.0818, 0.4278, 0.4519



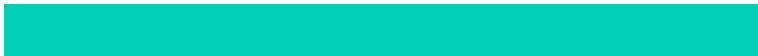
47.0818, 0.1758, 0.2328

Square

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



47.0818, 0.4278, 0.4519



47.0818, 0.2176, 0.3726



47.0818, 0.1995, 0.2091



47.0818, 0.4102, 0.2838

Rectangle

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



47.0818, 0.4278, 0.4519



47.0818, 0.3074, 0.4676



47.0818, 0.1995, 0.2091



47.0818, 0.3008, 0.2279

Sweetspot

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



47.0841, 0.4278, 0.4519



90.0341, 0.3451, 0.3683



19.3550, 0.4811, 0.2930



18.9927, 0.3500, 0.3740



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.



47.0841, 0.4278, 0.4519



67.1445, 0.4475, 0.4647



56.5231, 0.3723, 0.4996



14.0238, 0.3272, 0.3470



25.2526, 0.4653, 0.4687



1.6422, 0.4558, 0.4763

Inverse Universe

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



15.5479, 0.1935, 0.1571



16.4564, 0.1733, 0.1204



12.3125, 0.2105, 0.1281



12.4575, 0.2982, 0.3104



4.3497, 0.1569, 0.0849



0.3888, 0.1660, 0.1177

Previews

White Background



This preview shows how the Yxy color 47.0818, 0.4278, 0.4519 looks on a white background.

Color Contrast Check

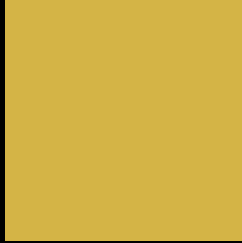
Large Text (above 18pt) WCAG AA × Fail

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 47.0818, 0.4278, 0.4519 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 47.0818, 0.4278, 0.4519

Background



This preview shows how black text looks on a background with the Yxy color 47.0818, 0.4278, 0.4519.



This preview shows how white text looks on a background with the Yxy color 47.0818, 0.4278, 0.4519.

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

47.0818, 0.4278, 0.4519

Protanopia

47.1593, 0.4175, 0.4582

Deuteranopia

47.0709, 0.4454, 0.4369



Tritanopia

47.1255, 0.3493, 0.3138

Trichromacy



Original Color

47.0818, 0.4278, 0.4519

Protanomaly

47.1762, 0.4211, 0.4556

Deuteranomaly

47.0352, 0.4397, 0.4421

Tritanomaly

46.7157, 0.3831, 0.3677

Monochromacy



Original Color

47.0818, 0.4278, 0.4519

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6229, 0.3573, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0818, 0.4278, 0.4519 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(212, 180, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 180, 70) }
```

Border

The CSS property to change the border of an element to Yxy 47.0818, 0.4278, 0.4519 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, 70) }
```

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

```
.border{ border-color:rgb(212, 180, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 180, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 180, 70);  
box-shadow:4px 4px 4px 4px rgb(212, 180,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0818, 0.4278, 0.4519 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, 70) }
```

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

```
.background{ background-color: rgb(212,  
180, 70) }
```

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