

Converting Colors

$Y_{xy}(47.0276, 0.4317, 0.4575)$

Have a look what the booklet for
Yxy(47.0276, 0.4317, 0.4575)
contains.

Yxy(46.9984, 0.4316, 0.4572)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.9984, 0.4316, 0.4572)

Conversions

Conversions Part 1

Format	Color
Hex	D4B43F
RGB	212, 180, 63
RGB Percent	83%, 71%, 25%
CMY	0.1687, 0.2941, 0.7531
CMYK	0.00, 0.15, 0.70, 0.17
HSL	47°, 63%, 54%
HSV	47°, 70%, 83%
XYZ	44.3668, 46.9984, 11.4309
YIQ	176.2300, 56.6290, -29.6030

Conversions

Conversions Part 2

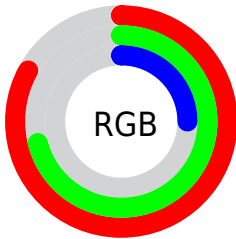
Format	Color
RYB	104, 212, 63
Decimal	13939775
CIELab	74.19, -0.88, 61.15
CIElCh	74, 61.155, 90.827
Yxy	46.9984, 0.4316, 0.4572
Android (android.graphics.Color)	4292129855 (0xFFD4B43F)
YUV	176.2300, -55.8224, 31.3703
Hunter-Lab	68.5554, -4.4525, 38.1027

Details

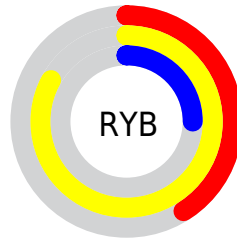
The Yxy color **46.9984, 0.4316, 0.4572** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **13.9839, 0.1876, 0.1456**, and the grayscale version is **43.8165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5353, 0.4006, 0.4442**, and **22.3084, 0.4521, 0.4792** is the 20% darker color. If you saturate the color by 10%, you get **45.0007, 0.4451, 0.4660**, and if you desaturate by 10%, it is **49.1521, 0.4158, 0.4442**.

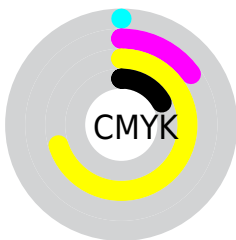
Distribution



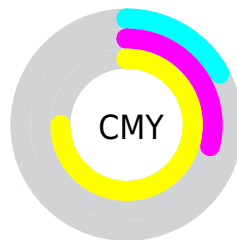
- Red (83%)
- Green (71%)
- Blue (25%)



- 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 46.9984, 0.4316, 0.4572 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 46.9984, 0.4316, 0.4572 by changing the saturation by 10% instead.


 46.9984, 0.4316,
0.4572

 46.9984, 0.4316,
0.4572


374.8081, 0.3772,
0.3982

 33.0344, 0.4424,
0.4690


 85.7112, 0.4137,
0.4377

 22.1528, 0.4543,
0.4822


 111.2288, 0.4064,
0.4297


 13.9692, 0.4666,
0.4960


 141.3665, 0.3999,
0.4228

 8.0993, 0.4842,
0.5158

 176.5084, 0.3943,
0.4166

 4.1585, 0.4835,
0.5165

 217.0392, 0.3892,
0.4112

 1.7626, 0.4822,
0.5178

263.3432, 0.3848,

 0.4637, 0.4748,

0.4064

0.5252

315.8047, 0.3808,
0.4021

0.0000, 0.0000,
0.0000

46.9984, 0.4316,
0.4572

46.9984, 0.4316,
0.4572

45.0007, 0.4451,
0.4660

49.1521, 0.4158,
0.4442

43.1406, 0.4557,
0.4701

51.4649, 0.3986,
0.4279

41.4490, 0.4636,
0.4701

53.9479, 0.3806,
0.4093

56.6090, 0.3626,
0.3894

59.4554, 0.3451,
0.3690

■ 62.4940, 0.3286,
0.3489

■ 65.7310, 0.3132,
0.3296

■ 69.1724, 0.2990,
0.3113

■ 72.8238, 0.2862,
0.2942

Harmonies

Analogous

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



46.9984, 0.4756, 0.4009



46.9984, 0.4316, 0.4572



46.9984, 0.3594, 0.4866

Triad

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



46.9984, 0.4316, 0.4572



46.9984, 0.1755, 0.2854



46.9984, 0.3297, 0.2358

Complementary

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



46.9984, 0.4316, 0.4572



13.9839, 0.1876, 0.1456

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.



46.9984, 0.2496, 0.2081



46.9984, 0.4316, 0.4572



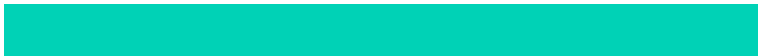
46.9984, 0.1705, 0.2279

Square

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



46.9984, 0.4316, 0.4572



46.9984, 0.2125, 0.3737



46.9984, 0.1952, 0.2040



46.9984, 0.4157, 0.2822

Rectangle

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



46.9984, 0.4316, 0.4572



46.9984, 0.3056, 0.4749



46.9984, 0.1952, 0.2040



46.9984, 0.3009, 0.2242

Sweetspot

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



47.0007, 0.4316, 0.4572



89.9042, 0.3467, 0.3709



18.3780, 0.4986, 0.2956



18.9804, 0.3515, 0.3766



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.



47.0007, 0.4316, 0.4572



67.0363, 0.4503, 0.4684



55.9601, 0.3715, 0.5075



14.0465, 0.3272, 0.3472



25.7429, 0.4628, 0.4707



1.6680, 0.4539, 0.4778

Inverse Universe

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



13.9839, 0.1876, 0.1456



14.4659, 0.1680, 0.1087



11.3195, 0.2069, 0.1201



12.4364, 0.2982, 0.3101



4.2368, 0.1564, 0.0830



0.3789, 0.1654, 0.1153

Previews

White Background



This preview shows how the Yxy color 46.9984, 0.4316, 0.4572 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 46.9984, 0.4316, 0.4572 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 46.9984, 0.4316, 0.4572

Background



This preview shows how black text looks on a background with the Yxy color 46.9984, 0.4316, 0.4572.



This preview shows how white text looks on a background with the Yxy color 46.9984, 0.4316, 0.4572.

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

46.9984, 0.4316, 0.4572

Protanopia

47.0745, 0.4212, 0.4637

Deuteranopia

46.7628, 0.4511, 0.4405



Tritanopia

46.7136, 0.3504, 0.3138

Trichromacy



Original Color

46.9984, 0.4316, 0.4572

Protanomaly

47.0915, 0.4248, 0.4611

Deuteranomaly

46.9504, 0.4436, 0.4472

Tritanomaly

46.2455, 0.3863, 0.3702

Monochromacy



Original Color

46.9984, 0.4316, 0.4572

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 46.9984, 0.4316, 0.4572 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(212, 180, 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, 180, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 180, 63) }
```

Border

The CSS property to change the border of an element to Yxy 46.9984, 0.4316, 0.4572 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, 63) }
```

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

```
.border{ border-color:rgb(212, 180, 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, 180, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 180, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 180, 63);  
box-shadow:4px 4px 4px 4px rgb(212, 180,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9984, 0.4316, 0.4572 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, 63) }
```

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

```
.background{ background-color: rgb(212,  
180, 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](#).

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