

Converting Colors

$Y_{xy}(46.4955, 0.4422, 0.4555)$

Have a look what the booklet for
Yxy(46.4955, 0.4422, 0.4555)
contains.

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Color

Yxy(46.4914, 0.4418, 0.4556)

Conversions

Conversions Part 1

Format	Color
Hex	D9B139
RGB	217, 177, 57
RGB Percent	85%, 69%, 22%
CMY	0.1489, 0.3059, 0.7764
CMYK	0.00, 0.18, 0.74, 0.15
HSL	45°, 68%, 54%
HSV	45°, 74%, 85%
XYZ	45.0832, 46.4914, 10.4697
YIQ	175.2800, 62.3600, -28.8400

Conversions

Conversions Part 2

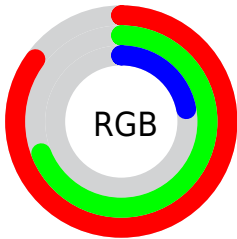
Format	Color
RYB	110, 217, 57
Decimal	14266681
CIELab	73.86, 2.60, 63.31
CIELCh	74, 63.363, 87.652
Yxy	46.4914, 0.4418, 0.4556
Android (android.graphics.Color)	4292456761 (0xFFD9B139)
YUV	175.2800, -58.3120, 36.5884
Hunter-Lab	68.1846, -1.3001, 38.6252

Details

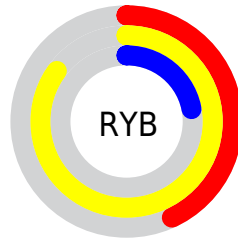
The Yxy color **46.4914, 0.4418, 0.4556** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **14.4406, 0.1842, 0.1438**, and the grayscale version is **43.3096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1431, 0.4054, 0.4450**, and **21.9363, 0.4612, 0.4720** is the 20% darker color. If you saturate the color by 10%, you get **44.2186, 0.4557, 0.4622**, and if you desaturate by 10%, it is **48.9466, 0.4254, 0.4445**.

Distribution



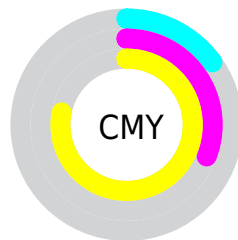
- Red (85%)
- Green (69%)
- Blue (22%)



- Red (43%)
- Yellow (85%)
- Blue (22%)



- Cyan (0%)
- Magenta (18%)
- Yellow (74%)
- Black (15%)



- Cyan (15%)
- Magenta (31%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4914, 0.4418, 0.4556 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 46.4914, 0.4418, 0.4556 by changing the saturation by 10% instead.


 46.4914, 0.4418,
0.4556


 46.4914, 0.4418,
0.4556


372.7807, 0.3827,
0.3986

 32.6338, 0.4535,
0.4665


 84.9539, 0.4224,
0.4372

 21.8460, 0.4663,
0.4781


 110.3276, 0.4144,
0.4295


 13.7438, 0.4796,
0.4897


 140.3088, 0.4074,
0.4227

 7.9427, 0.4963,
0.5037

 175.2819, 0.4013,
0.4168

 4.0583, 0.4985,
0.5015

 215.6312, 0.3958,
0.4114

 1.7062, 0.5023,
0.4977

261.7412, 0.3909,

 0.4277, 0.5235,

0.4067

0.4765

313.9962, 0.3866,
0.4024

0.0000, 0.0000,
0.0000

46.4914, 0.4418,
0.4556

46.4914, 0.4418,
0.4556

44.2186, 0.4557,
0.4622

48.9466, 0.4254,
0.4445

42.1078, 0.4667,
0.4639

51.5888, 0.4074,
0.4298

40.8543, 0.4724,
0.4631

54.4305, 0.3886,
0.4125

57.4805, 0.3698,
0.3936

60.7471, 0.3515,
0.3740

■ 64.2381, 0.3343,
0.3546

■ 67.9606, 0.3183,
0.3358

■ 71.9213, 0.3037,
0.3179

■ 76.1266, 0.2905,
0.3012

Harmonies

Analogous

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



46.4914, 0.4836, 0.3956



46.4914, 0.4418, 0.4556



46.4914, 0.3690, 0.4920

Triad

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



46.4914, 0.4418, 0.4556



46.4914, 0.1733, 0.2917



46.4914, 0.3205, 0.2287

Complementary

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



46.4914, 0.4418, 0.4556



14.4406, 0.1842, 0.1438

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.



46.4914, 0.2398, 0.2026



46.4914, 0.4418, 0.4556



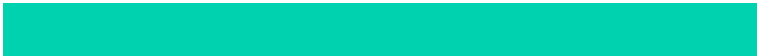
46.4914, 0.1651, 0.2286

Square

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



46.4914, 0.4418, 0.4556



46.4914, 0.2147, 0.3859



46.4914, 0.1872, 0.2010



46.4914, 0.4111, 0.2746

Rectangle

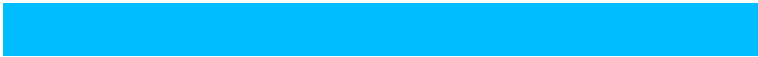
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.4914, 0.4418, 0.4556



46.4914, 0.3135, 0.4855



46.4914, 0.1872, 0.2010



46.4914, 0.2911, 0.2175

Sweetspot

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



46.4937, 0.4418, 0.4556



88.2677, 0.3488, 0.3711



18.5981, 0.4993, 0.2869



18.6076, 0.3537, 0.3764



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.



46.4937, 0.4418, 0.4556



62.1359, 0.4617, 0.4637



59.6040, 0.3789, 0.5096



14.6833, 0.3273, 0.3464



24.8987, 0.4715, 0.4639



1.7465, 0.4612, 0.4720

Inverse Universe

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



14.4406, 0.1842, 0.1438



14.2807, 0.1660, 0.1078



10.3373, 0.1949, 0.1081



13.1439, 0.2981, 0.3109



4.7886, 0.1582, 0.0896



0.4471, 0.1670, 0.1211

Previews

White Background



This preview shows how the Yxy color 46.4914, 0.4418, 0.4556 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 46.4914, 0.4418, 0.4556 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 46.4914, 0.4418, 0.4556

Background



This preview shows how black text looks on a background with the Yxy color 46.4914, 0.4418, 0.4556.



This preview shows how white text looks on a background with the Yxy color 46.4914, 0.4418, 0.4556.

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

46.4914, 0.4418, 0.4556

Protanopia

46.4579, 0.4241, 0.4677

Deuteranopia

46.5338, 0.4534, 0.4450



Tritanopia

46.2934, 0.3585, 0.3140

Trichromacy



Original Color

46.4914, 0.4418, 0.4556

Protanomaly

46.3579, 0.4304, 0.4630

Deuteranomaly

46.2656, 0.4494, 0.4488

Tritanomaly

45.7851, 0.3961, 0.3707

Monochromacy



Original Color

46.4914, 0.4418, 0.4556

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.6638, 0.3632, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4914, 0.4418, 0.4556 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(217, 177, 57)` looks like.

```
.text, #text, p{  
    color:rgb(217, 177, 57)  
}
```

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(217, 177, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 177, 57) }
```

Border

The CSS property to change the border of an element to Yxy 46.4914, 0.4418, 0.4556 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(217, 177, 57) }
```

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

```
.border{ border-color:rgb(217, 177, 57) }
```

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

Here you see how a box with a 4 pixel rgb(217, 177, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 177, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 177, 57);  
box-shadow:4px 4px 4px 4px rgb(217, 177,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4914, 0.4418, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 177, 57) }
```

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

```
.background{ background-color: rgb(217,  
177, 57) }
```

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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