

Converting Colors

$Y_{xy}(46.2470, 0.4586, 0.4477)$

Have a look what the booklet for
Yxy(46.2470, 0.4586, 0.4477)
contains.

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Color

Yxy(46.2470, 0.4586, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	E4AC34
RGB	228, 172, 52
RGB Percent	89%, 67%, 20%
CMY	0.1058, 0.3255, 0.7960
CMYK	0.00, 0.25, 0.77, 0.11
HSL	41°, 77%, 55%
HSV	41°, 77%, 89%
XYZ	47.3730, 46.2470, 9.6791
YIQ	175.0640, 71.8960, -25.4480

Conversions

Conversions Part 2

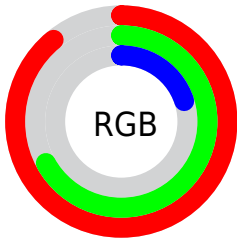
Format	Color
RYB	134, 228, 52
Decimal	14986292
CIELab	73.71, 9.77, 65.41
CIElCh	74, 66.131, 81.505
Yxy	46.2470, 0.4586, 0.4477
Android (android.graphics.Color)	4293176372 (0xFFE4AC34)
YUV	175.0640, -60.6706, 46.4249
Hunter-Lab	68.0051, 5.3356, 39.1649

Details

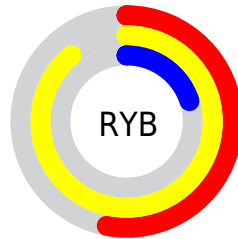
The Yxy color **46.2470, 0.4586, 0.4477** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **17.0658, 0.1832, 0.1504**, and the grayscale version is **43.1994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2597, 0.4109, 0.4448**, and **21.7578, 0.4802, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **43.4033, 0.4744, 0.4512**, and if you desaturate by 10%, it is **49.3454, 0.4401, 0.4393**.

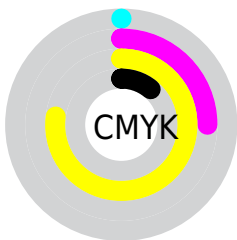
Distribution



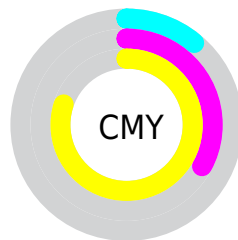
- Red (89%)
- Green (67%)
- Blue (20%)



- Red (53%)
- Yellow (89%)
- Blue (20%)



- Cyan (0%)
- Magenta (25%)
- Yellow (77%)
- Black (11%)




- Cyan (11%)
- Magenta (33%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2470, 0.4586, 0.4477 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 46.2470, 0.4586, 0.4477 by changing the saturation by 10% instead.


 46.2470, 0.4586,
0.4477


 46.2470, 0.4586,
0.4477


371.8008, 0.3914,
0.3966


 32.4408, 0.4720,
0.4565

 84.5885, 0.4365,
0.4319


 21.6984, 0.4868,
0.4653


 109.8926, 0.4274,
0.4251


 13.6355, 0.5028,
0.4731


 139.7982, 0.4195,
0.4190

 7.8676, 0.5207,
0.4793

 174.6895, 0.4125,
0.4135

 4.0103, 0.5289,
0.4711

 214.9510, 0.4063,
0.4086

 1.6793, 0.5423,
0.4577

 260.9671, 0.4007,

 0.4102, 0.6050,

0.4042

0.3950

313.1223, 0.3958,
0.4002

0.0000, 0.0000,
0.0000

46.2470, 0.4586,
0.4477

46.2470, 0.4586,
0.4477

43.4033, 0.4744,
0.4512

49.3454, 0.4401,
0.4393

40.7883, 0.4871,
0.4497

52.7064, 0.4200,
0.4269

40.0875, 0.4904,
0.4488

56.3455, 0.3993,
0.4116

60.2743, 0.3787,
0.3945

64.5035, 0.3591,
0.3765

■ 69.0432, 0.3407,
0.3585

■ 73.9027, 0.3239,
0.3411

■ 79.0908, 0.3086,
0.3244

■ 84.4715, 0.2962,
0.3110

Harmonies

Analogous

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



46.2470, 0.4936, 0.3834



46.2470, 0.4586, 0.4477



46.2470, 0.3874, 0.4949

Triad

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



46.2470, 0.4586, 0.4477



46.2470, 0.1739, 0.3077



46.2470, 0.3015, 0.2176

Complementary

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



46.2470, 0.4586, 0.4477



17.0658, 0.1832, 0.1504

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.



46.2470, 0.2230, 0.1955



46.2470, 0.4586, 0.4477



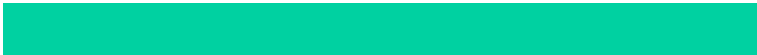
46.2470, 0.1589, 0.2344

Square

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



46.2470, 0.4586, 0.4477



46.2470, 0.2234, 0.4098



46.2470, 0.1755, 0.1993



46.2470, 0.3969, 0.2613

Rectangle

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



46.2470, 0.4586, 0.4477



46.2470, 0.3305, 0.4989



46.2470, 0.1755, 0.1993



46.2470, 0.2723, 0.2076

Sweetspot

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



46.2493, 0.4586, 0.4477



85.4432, 0.3515, 0.3692



20.0952, 0.4936, 0.2749



17.8420, 0.3583, 0.3758



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.



46.2493, 0.4586, 0.4477



53.7493, 0.4829, 0.4508



67.8469, 0.3889, 0.5090



16.0029, 0.3275, 0.3450



23.3653, 0.4890, 0.4499



1.8922, 0.4763, 0.4600

Inverse Universe

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



17.0658, 0.1832, 0.1504



15.2352, 0.1662, 0.1138



9.8241, 0.1815, 0.0956



14.6322, 0.2981, 0.3125



6.1428, 0.1624, 0.1046



0.6166, 0.1705, 0.1337

Previews

White Background



This preview shows how the Yxy color 46.2470, 0.4586, 0.4477 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 46.2470, 0.4586, 0.4477 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 46.2470, 0.4586, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 46.2470, 0.4586, 0.4477.



This preview shows how white text looks on a background with the Yxy color 46.2470, 0.4586, 0.4477.

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

46.2470, 0.4586, 0.4477

Protanopia

46.4282, 0.4254, 0.4698

Deuteranopia

46.2470, 0.4586, 0.4477



Tritanopia

46.3397, 0.3738, 0.3157

Trichromacy



Original Color

46.2470, 0.4586, 0.4477

Protanomaly

46.1042, 0.4377, 0.4614

Deuteranomaly

46.2470, 0.4586, 0.4477

Tritanomaly

45.8189, 0.4122, 0.3702

Monochromacy



Original Color

46.2470, 0.4586, 0.4477

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.3531, 0.3695, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2470, 0.4586, 0.4477 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(228, 172, 52)` looks like.

```
.text, #text, p{  
    color:rgb(228, 172, 52)  
}
```

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(228, 172, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 172, 52) }
```

Border

The CSS property to change the border of an element to Yxy 46.2470, 0.4586, 0.4477 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(228, 172, 52) }
```

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

```
.border{ border-color:rgb(228, 172, 52) }
```

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

Here you see how a box with a 4 pixel rgb(228, 172, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 172, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 172, 52);  
box-shadow:4px 4px 4px 4px rgb(228, 172,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2470, 0.4586, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 172, 52) }
```

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

```
.background{ background-color: rgb(228,  
172, 52) }
```

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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