

Converting Colors

Yxy(46.9407, 0.4473, 0.4458)

Have a look what the booklet for
Yxy(46.9407, 0.4473, 0.4458)
contains.

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Color

Yxy(46.8661, 0.4469, 0.4459)

Conversions

Conversions Part 1

Format	Color
Hex	E0AF3F
RGB	224, 175, 63
RGB Percent	88%, 69%, 25%
CMY	0.1215, 0.3137, 0.7531
CMYK	0.00, 0.22, 0.72, 0.12
HSL	42°, 72%, 56%
HSV	42°, 72%, 88%
XYZ	46.9712, 46.8661, 11.2672
YIQ	176.8830, 65.1560, -24.4440

Conversions

Conversions Part 2

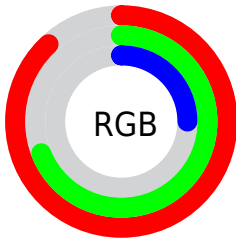
Format	Color
R _Y B	133, 224, 63
Decimal	14724927
CIE Lab	74.10, 6.93, 61.46
CIE LCh	74, 61.845, 83.569
Yxy	46.8661, 0.4469, 0.4459
Android (android.graphics.Color)	4292915007 (0xFFE0AF3F)
YUV	176.8830, -56.1443, 41.3216
Hunter-Lab	68.4588, 2.6701, 38.1630

Details

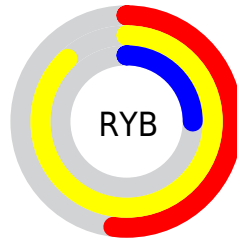
The Yxy color **46.8661, 0.4469, 0.4459** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **18.0231, 0.1898, 0.1606**, and the grayscale version is **44.1766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1380, 0.4038, 0.4393**, and **22.1653, 0.4723, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **44.0794, 0.4636, 0.4524**, and if you desaturate by 10%, it is **49.8932, 0.4280, 0.4350**.

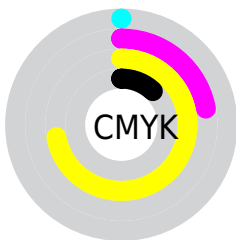
Distribution



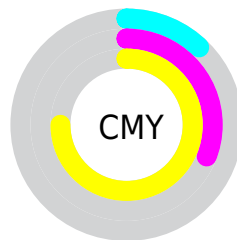
- Red (88%)
- Green (69%)
- Blue (25%)



- Red (52%)
- Yellow (88%)
- Blue (25%)



- Cyan (0%)
- Magenta (22%)
- Yellow (72%)
- Black (12%)



- Cyan (12%)
- Magenta (31%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8661, 0.4469, 0.4459 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 46.8661, 0.4469, 0.4459 by changing the saturation by 10% instead.

 46.8661, 0.4469,
0.4459


 46.8661, 0.4469,
0.4459


374.2798, 0.3846,
0.3940

 32.9298, 0.4596,
0.4556


 85.5137, 0.4262,
0.4293

 22.0727, 0.4739,
0.4658


 110.9938, 0.4177,
0.4223

 13.9103, 0.4894,
0.4757


 141.0907, 0.4104,
0.4162

 8.0583, 0.5110,
0.4890

 176.1887, 0.4039,
0.4107

 4.1323, 0.5168,
0.4832

 216.6722, 0.3982,
0.4058

 1.7478, 0.5263,
0.4737

262.9256, 0.3932,

 0.4543, 0.5695,

0.4015

315.3334, 0.3887,
0.3975

0.4305

0.0000, 0.0000,
0.0000

46.8661, 0.4469,
0.4459

46.8661, 0.4469,
0.4459

44.0794, 0.4636,
0.4524

49.8932, 0.4280,
0.4350

41.5111, 0.4774,
0.4538

53.1668, 0.4079,
0.4206

39.5720, 0.4865,
0.4519

56.7006, 0.3876,
0.4040

60.5051, 0.3678,
0.3860

64.5899, 0.3490,
0.3677

■ 68.9640, 0.3315,
0.3496

■ 73.6357, 0.3156,
0.3322

■ 78.6131, 0.3011,
0.3158

■ 83.2712, 0.2936,
0.3099

Harmonies

Analogous

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



46.8661, 0.4816, 0.3863



46.8661, 0.4469, 0.4459



46.8661, 0.3789, 0.4856

Triad

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



46.8661, 0.4469, 0.4459



46.8661, 0.1801, 0.3041



46.8661, 0.3085, 0.2261

Complementary

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



46.8661, 0.4469, 0.4459



18.0231, 0.1898, 0.1606

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.



46.8661, 0.2328, 0.2036



46.8661, 0.4469, 0.4459



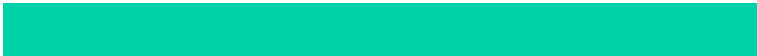
46.8661, 0.1675, 0.2374

Square

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



46.8661, 0.4469, 0.4459



46.8661, 0.2253, 0.3974



46.8661, 0.1853, 0.2058



46.8661, 0.3972, 0.2690

Rectangle

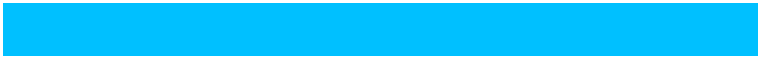
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.8661, 0.4469, 0.4459



46.8661, 0.3251, 0.4848



46.8661, 0.1853, 0.2058



46.8661, 0.2807, 0.2161

Sweetspot

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



46.8684, 0.4469, 0.4459



86.4844, 0.3494, 0.3682



20.6154, 0.4793, 0.2779



18.1834, 0.3545, 0.3732



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.



46.8684, 0.4469, 0.4459



57.4601, 0.4705, 0.4537



65.2144, 0.3847, 0.5024



15.2885, 0.3275, 0.3452



23.2410, 0.4853, 0.4529



1.7666, 0.4727, 0.4629

Inverse Universe

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



18.0231, 0.1898, 0.1606



17.1806, 0.1715, 0.1250



11.2345, 0.1920, 0.1095



13.9202, 0.2981, 0.3122



5.7295, 0.1615, 0.1013



0.5517, 0.1700, 0.1321

Previews

White Background



This preview shows how the Yxy color 46.8661, 0.4469, 0.4459 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 46.8661, 0.4469, 0.4459 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 46.8661, 0.4469, 0.4459

Background



This preview shows how black text looks on a background with the Yxy color 46.8661, 0.4469, 0.4459.



This preview shows how white text looks on a background with the Yxy color 46.8661, 0.4469, 0.4459.

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

46.8661, 0.4469, 0.4459

Protanopia

47.0860, 0.4207, 0.4629

Deuteranopia

46.7513, 0.4517, 0.4412



Tritanopia

46.8413, 0.3663, 0.3155

Trichromacy



Original Color

46.8661, 0.4469, 0.4459

Protanomaly

46.8616, 0.4302, 0.4570

Deuteranomaly

46.9732, 0.4499, 0.4427

Tritanomaly

46.4125, 0.4013, 0.3674

Monochromacy



Original Color

46.8661, 0.4469, 0.4459

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.2976, 0.3635, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8661, 0.4469, 0.4459 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(224, 175, 63)` looks like.

```
.text, #text, p{  
    color:rgb(224, 175, 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(224, 175, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 175, 63) }
```

Border

The CSS property to change the border of an element to Yxy 46.8661, 0.4469, 0.4459 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(224, 175, 63) }
```

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

```
.border{ border-color:rgb(224, 175, 63) }
```

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

Here you see how a box with a 4 pixel rgb(224, 175, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 175, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 175, 63);  
box-shadow:4px 4px 4px 4px rgb(224, 175,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8661, 0.4469, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 175, 63) }
```

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

```
.background{ background-color: rgb(224,  
175, 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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