

Converting Colors

$Y_{xy}(44.6057, 0.4551, 0.4725)$

Have a look what the booklet for
Yxy(44.6057, 0.4551, 0.4725)
contains.

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Color

Yxy(44.6057, 0.4551, 0.4725)

Conversions

Conversions Part 1

Format	Color
Hex	D6AE10
RGB	214, 174, 16
RGB Percent	84%, 68%, 6%
CMY	0.1608, 0.3176, 0.9373
CMYK	0.00, 0.19, 0.93, 0.16
HSL	48°, 86%, 45%
HSV	48°, 93%, 84%
XYZ	42.9631, 44.6057, 6.8348
YIQ	167.9480, 74.5580, -40.6580

Conversions

Conversions Part 2

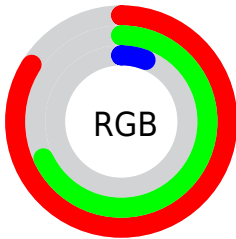
Format	Color
RYB	66, 214, 16
Decimal	14069264
CIELab	72.63, 1.69, 73.33
CIElCh	73, 73.347, 88.676
Yxy	44.6057, 0.4551, 0.4725
Android (android.graphics.Color)	4292259344 (0xFFD6AE10)
YUV	167.9480, -74.9104, 40.3876
Hunter-Lab	66.7875, -2.0526, 40.6837

Details

The Yxy color **44.6057, 0.4551, 0.4725** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **7.7939, 0.1601, 0.0907**, and the grayscale version is **39.4798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9387, 0.4205, 0.4626**, and **20.7891, 0.4609, 0.4723** is the 20% darker color. If you saturate the color by 10%, you get **43.3369, 0.4606, 0.4724**, and if you desaturate by 10%, it is **46.4043, 0.4456, 0.4693**.

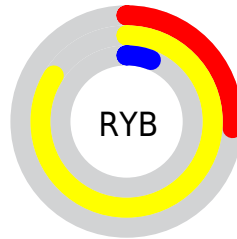
Distribution



Red (84%)

Green (68%)

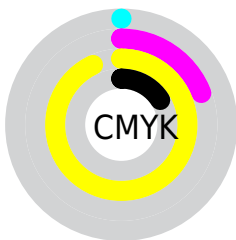
Blue (6%)



Red (26%)

Yellow (84%)

Blue (6%)

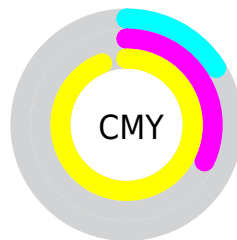


Cyan (0%)

Magenta (19%)

Yellow (93%)

Black (16%)



Cyan (16%)


Magenta (32%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6057, 0.4551, 0.4725 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 44.6057, 0.4551, 0.4725 by changing the saturation by 10% instead.


 44.6057, 0.4551,
0.4725


 44.6057, 0.4551,
0.4725


365.1743, 0.3924,
0.4101

 31.1470, 0.4660,
0.4831


 82.1284, 0.4355,
0.4533


 20.7108, 0.4771,
0.4934


 106.9612, 0.4271,
0.4450

 12.9128, 0.4921,
0.5074


 136.3541, 0.4196,
0.4375

 7.3685, 0.4933,
0.5067

 170.6915, 0.4130,
0.4308

 3.6936, 0.4949,
0.5051

 210.3578, 0.4070,
0.4248

 1.5037, 0.4975,
0.5025

 255.7375, 0.4016,

 0.2913, 0.5221,

0.4194

0.4779

307.2148, 0.3967,
0.4145

■ 0.0000, 0.0000,
0.0000

■ 44.6057, 0.4551,
0.4725

■ 44.6057, 0.4551,
0.4725

■ 43.3369, 0.4606,
0.4724

■ 46.4043, 0.4456,
0.4693

■ 48.3338, 0.4332,
0.4614

■ 50.4090, 0.4183,
0.4491

■ 52.6402, 0.4017,
0.4332

■ 55.0366, 0.3841,
0.4148

■ 57.6063, 0.3663,
0.3948

■ 60.3568, 0.3488,
0.3742

■ 63.2951, 0.3321,
0.3537

■ 66.4275, 0.3165,
0.3339

Harmonies

Analogous

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



44.6057, 0.5082, 0.4019



44.6057, 0.4551, 0.4725



44.6057, 0.3700, 0.5202

Triad

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



44.6057, 0.4551, 0.4725



44.6057, 0.1529, 0.2798



44.6057, 0.3242, 0.2163

Complementary

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



44.6057, 0.4551, 0.4725



7.7939, 0.1601, 0.0907

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.



44.6057, 0.2309, 0.1865



44.6057, 0.4551, 0.4725



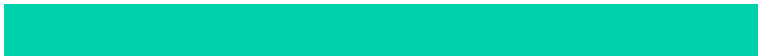
44.6057, 0.1461, 0.2107

Square

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



44.6057, 0.4551, 0.4725



44.6057, 0.1963, 0.3915



44.6057, 0.1716, 0.1829



44.6057, 0.4309, 0.2677

Rectangle

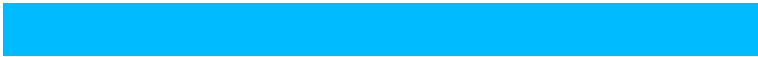
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.6057, 0.4551, 0.4725



44.6057, 0.3067, 0.5147



44.6057, 0.1716, 0.1829



44.6057, 0.2899, 0.2036

Sweetspot

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



44.6079, 0.4551, 0.4725



87.3630, 0.3588, 0.3861



14.9825, 0.5836, 0.3046



18.3252, 0.3665, 0.3951



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.



44.6079, 0.4551, 0.4725



64.1993, 0.4611, 0.4721



55.3943, 0.3719, 0.5389



14.0739, 0.3271, 0.3475



26.3431, 0.4599, 0.4730



1.6994, 0.4516, 0.4796

Inverse Universe

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



7.7939, 0.1601, 0.0907



9.6333, 0.1549, 0.0775



6.6074, 0.1750, 0.0771



12.4110, 0.2982, 0.3098



4.1084, 0.1558, 0.0808



0.3671, 0.1646, 0.1124

Previews

White Background



This preview shows how the Yxy color 44.6057, 0.4551, 0.4725 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 44.6057, 0.4551, 0.4725 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 44.6057, 0.4551, 0.4725

Background



This preview shows how black text looks on a background with the Yxy color 44.6057, 0.4551, 0.4725.



This preview shows how white text looks on a background with the Yxy color 44.6057, 0.4551, 0.4725.

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

44.6057, 0.4551, 0.4725

Protanopia

44.7014, 0.4378, 0.4854

Deuteranopia

44.4414, 0.4690, 0.4592



Tritanopia

44.5846, 0.3603, 0.3150

Trichromacy



Original Color

44.6057, 0.4551, 0.4725

Protanomaly

44.6066, 0.4446, 0.4804

Deuteranomaly

44.5485, 0.4638, 0.4642

Tritanomaly

43.7724, 0.4104, 0.3875

Monochromacy



Original Color

44.6057, 0.4551, 0.4725

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.2560, 0.3772, 0.4065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6057, 0.4551, 0.4725 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(214, 174, 16)` looks like.

```
.text, #text, p{  
    color:rgb(214, 174, 16)  
}
```

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(214, 174, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 174, 16) }
```

Border

The CSS property to change the border of an element to Yxy 44.6057, 0.4551, 0.4725 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(214, 174, 16) }
```

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

```
.border{ border-color:rgb(214, 174, 16) }
```

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

Here you see how a box with a 4 pixel rgb(214, 174, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 174, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 174, 16);  
box-shadow:4px 4px 4px 4px rgb(214, 174,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6057, 0.4551, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 174, 16) }
```

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

```
.background{ background-color: rgb(214,  
174, 16) }
```

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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