

Converting Colors

$Yxy(46.6918, 0.4359, 0.4591)$

Have a look what the booklet for
Yxy(46.6918, 0.4359, 0.4591)
contains.

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Color

Yxy(46.6918, 0.4359, 0.4591)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D5B33A |
| RGB | 213, 179, 58 |
| RGB Percent | 84%, 70%, 23% |
| CMY | 0.1646, 0.2981, 0.7725 |
| CMYK | 0.00, 0.16, 0.73, 0.16 |
| HSL | 47°, 65%, 53% |
| HSV | 47°, 73%, 84% |
| XYZ | 44.3323, 46.6918, 10.6788 |
| YIQ | 175.3720, 59.1050, -30.4230 |

Conversions

Conversions Part 2

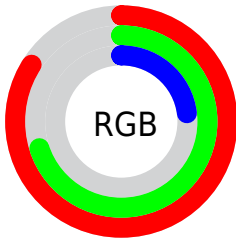
| Format | Color |
|-------------------------------------|--|
| RYB | 102, 213, 58 |
| Decimal | 14005050 |
| CIELab | 73.99, -0.14, 62.93 |
| CIElCh | 74, 62.927, 90.124 |
| Yxy | 46.6918, 0.4359, 0.4591 |
| Android (android.graphics.Color) | 4292195130 (0xFFD5B33A) |
| YUV | 175.3720, -57.8644, 32.9998 |
| Hunter-Lab | 68.3314, -3.7721, 38.5662 |

Details

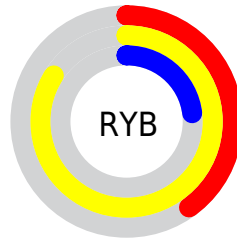
The Yxy color **46.6918, 0.4359, 0.4591** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **13.3682, 0.1840, 0.1399**, and the grayscale version is **43.3586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2979, 0.4038, 0.4458**, and **22.0488, 0.4535, 0.4781** is the 20% darker color. If you saturate the color by 10%, you get **44.6768, 0.4489, 0.4667**, and if you desaturate by 10%, it is **48.8646, 0.4205, 0.4472**.

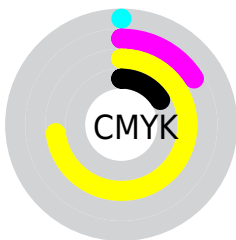
Distribution



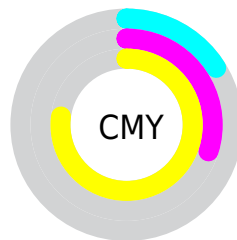
- Red (84%)
- Green (70%)
- Blue (23%)



- Red (40%)
- Yellow (84%)
- Blue (23%)



- Cyan (0%)
- Magenta (16%)
- Yellow (73%)
- Black (16%)




- Cyan (16%)
- Magenta (30%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6918, 0.4359, 0.4591 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 46.6918, 0.4359, 0.4591 by changing the saturation by 10% instead.

 46.6918, 0.4359,
0.4591

 46.6918, 0.4359,
0.4591


373.5830, 0.3797,
0.3997

 32.7921, 0.4469,
0.4707


 85.2534, 0.4175,
0.4397

 21.9672, 0.4589,
0.4834


 110.6841, 0.4100,
0.4317

 13.8328, 0.4711,
0.4965


 140.7272, 0.4033,
0.4246

 8.0045, 0.4868,
0.5132

 175.7671, 0.3975,
0.4184

 4.0978, 0.4867,
0.5133

 216.1882, 0.3923,
0.4130

 1.7284, 0.4865,
0.5135

262.3750, 0.3876,

 0.4420, 0.4853,

0.4081

0.5147

314.7118, 0.3835,
0.4037

0.0000, 0.0000,
0.0000

46.6918, 0.4359,
0.4591

46.6918, 0.4359,
0.4591

44.6768, 0.4489,
0.4667

48.8646, 0.4205,
0.4472

42.8002, 0.4590,
0.4695

51.1989, 0.4033,
0.4317

41.5167, 0.4648,
0.4691

53.7062, 0.3853,
0.4136

56.3946, 0.3671,
0.3940

59.2716, 0.3494,
0.3738

■ 62.3444, 0.3326,
0.3537

■ 65.6194, 0.3169,
0.3342

■ 69.1028, 0.3024,
0.3158

■ 72.8004, 0.2892,
0.2985

Harmonies

Analogous

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



46.6918, 0.4806, 0.4005



46.6918, 0.4359, 0.4591



46.6918, 0.3621, 0.4915

Triad

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



46.6918, 0.4359, 0.4591



46.6918, 0.1724, 0.2855



46.6918, 0.3279, 0.2325

Complementary

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



46.6918, 0.4359, 0.4591



13.3682, 0.1840, 0.1399

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.



46.6918, 0.2460, 0.2047



46.6918, 0.4359, 0.4591



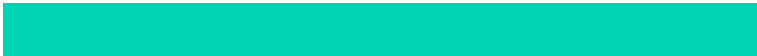
46.6918, 0.1667, 0.2259

Square

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



46.6918, 0.4359, 0.4591



46.6918, 0.2109, 0.3773



46.6918, 0.1913, 0.2010



46.6918, 0.4170, 0.2795

Rectangle

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



46.6918, 0.4359, 0.4591



46.6918, 0.3068, 0.4810



46.6918, 0.1913, 0.2010



46.6918, 0.2984, 0.2208

Sweetspot

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



46.6941, 0.4359, 0.4591



89.2892, 0.3485, 0.3727



17.9894, 0.5043, 0.2927



18.8510, 0.3533, 0.3782



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.



46.6941, 0.4359, 0.4591



65.6497, 0.4545, 0.4687



56.6483, 0.3743, 0.5108



14.0357, 0.3272, 0.3471



25.5073, 0.4640, 0.4698



1.6556, 0.4548, 0.4771

Inverse Universe

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



13.3682, 0.1840, 0.1399



13.5603, 0.1651, 0.1033



10.5046, 0.2007, 0.1127



12.4465, 0.2982, 0.3103



4.2901, 0.1566, 0.0839



0.3836, 0.1657, 0.1165

Previews

White Background



This preview shows how the Yxy color 46.6918, 0.4359, 0.4591 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 46.6918, 0.4359, 0.4591 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 46.6918, 0.4359, 0.4591

Background



This preview shows how black text looks on a background with the Yxy color 46.6918, 0.4359, 0.4591.



This preview shows how white text looks on a background with the Yxy color 46.6918, 0.4359, 0.4591.

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

46.6918, 0.4359, 0.4591

Protanopia

46.6090, 0.4245, 0.4664

Deuteranopia

46.7074, 0.4538, 0.4438



Tritanopia

46.4623, 0.3525, 0.3138

Trichromacy



Original Color

46.6918, 0.4359, 0.4591

Protanomaly

46.6289, 0.4281, 0.4638

Deuteranomaly

46.6637, 0.4480, 0.4491

Tritanomaly

45.9635, 0.3895, 0.3713

Monochromacy



Original Color

46.6918, 0.4359, 0.4591

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5354, 0.3622, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6918, 0.4359, 0.4591 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(213, 179, 58)` looks like.

```
.text, #text, p{  
    color:rgb(213, 179, 58)  
}
```

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(213, 179, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 179, 58) }
```

Border

The CSS property to change the border of an element to Yxy 46.6918, 0.4359, 0.4591 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(213, 179, 58) }
```

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

```
.border{ border-color:rgb(213, 179, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 179, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 179, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 179, 58);  
box-shadow:4px 4px 4px 4px rgb(213, 179,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6918, 0.4359, 0.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 179, 58) }
```

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

```
.background{ background-color: rgb(213,  
179, 58) }
```

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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