

Converting Colors

$Y_{xy}(47.0013, 0.4584, 0.4742)$

Have a look what the booklet for
Yxy(47.0013, 0.4584, 0.4742)
contains.

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Color

Yxy(47.0564, 0.4581, 0.4745)

Conversions

Conversions Part 1

Format	Color
Hex	DCB200
RGB	220, 178, 0
RGB Percent	86%, 70%, 0%
CMY	0.1373, 0.3019, 1.0000
CMYK	0.00, 0.19, 1.00, 0.14
HSL	49°, 100%, 43%
HSV	49°, 100%, 86%
XYZ	45.4300, 47.0564, 6.6841
YIQ	170.2660, 82.1700, -46.4540

Conversions

Conversions Part 2

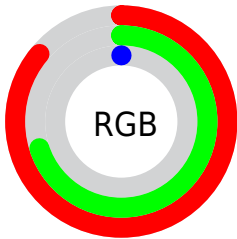
Format	Color
RYB	52, 220, 0
Decimal	14463488
CIELab	74.23, 2.03, 76.67
CIELCh	74, 76.692, 88.483
Yxy	47.0564, 0.4581, 0.4745
Android (android.graphics.Color)	4292653568 (0xFFDCB200)
YUV	170.2660, -83.9411, 43.6167
Hunter-Lab	68.5977, -1.8312, 42.2412

Details

The Yxy color **47.0564, 0.4581, 0.4745** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **6.8193, 0.1547, 0.0768**, and the grayscale version is **40.7358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1170, 0.4195, 0.4679**, and **22.3953, 0.4621, 0.4713** is the 20% darker color. If you saturate the color by 10%, you get **47.0590, 0.4581, 0.4745**, and if you desaturate by 10%, it is **48.8126, 0.4508, 0.4740**.

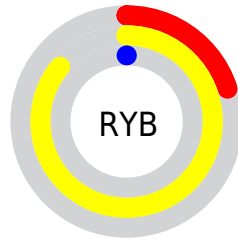
Distribution



Red (86%)

Green (70%)

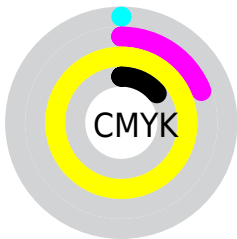
Blue (0%)



Red (20%)

Yellow (86%)

Blue (0%)

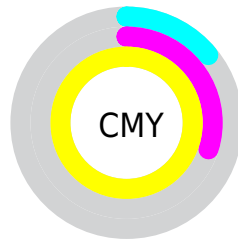


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0564, 0.4581, 0.4745 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 47.0564, 0.4581, 0.4745 by changing the saturation by 10% instead.


 47.0564, 0.4581,
0.4745


 47.0564, 0.4581,
0.4745


375.0396, 0.3953,
0.4127

 33.0802, 0.4687,
0.4846


 85.7978, 0.4388,
0.4558

 22.1879, 0.4792,
0.4942


 111.3318, 0.4305,
0.4476


 13.9950, 0.4931,
0.5069


 141.4873, 0.4229,
0.4402

 8.1172, 0.4943,
0.5057

 176.6486, 0.4162,
0.4335

 4.1700, 0.4960,
0.5040

 217.2000, 0.4101,
0.4275

 1.7691, 0.4989,
0.5011

 263.5261, 0.4047,

 0.4678, 0.5137,

0.4220

0.4863

316.0112, 0.3998,
0.4171

■ 0.0000, 0.0000,
0.0000

■ 47.0564, 0.4581,
0.4745

■ 47.0564, 0.4581,
0.4745

■ 47.0590, 0.4581,
0.4745

■ 48.8126, 0.4508,
0.4740

■ 50.6838, 0.4410,
0.4695

■ 52.6944, 0.4284,
0.4603

■ 54.8572, 0.4134,
0.4469

■ 57.1828, 0.3968,
0.4302

■ 59.6805, 0.3793,
0.4110

■ 62.3589, 0.3617,
0.3906

■ 65.2257, 0.3445,
0.3696

■ 68.2880, 0.3281,
0.3489

Harmonies

Analogous

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



47.0564, 0.5128, 0.4019



47.0564, 0.4581, 0.4745



47.0564, 0.3710, 0.5250

Triad

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



47.0564, 0.4581, 0.4745



47.0564, 0.1496, 0.2787



47.0564, 0.3236, 0.2136

Complementary

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



47.0564, 0.4581, 0.4745



6.8193, 0.1547, 0.0768

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.



47.0564, 0.2283, 0.1835



47.0564, 0.4581, 0.4745



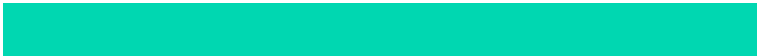
47.0564, 0.1427, 0.2081

Square

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



47.0564, 0.4581, 0.4745



47.0564, 0.1938, 0.3939



47.0564, 0.1683, 0.1799



47.0564, 0.4334, 0.2658

Rectangle

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



47.0564, 0.4581, 0.4745



47.0564, 0.3064, 0.5206



47.0564, 0.1683, 0.1799



47.0564, 0.2885, 0.2008

Sweetspot

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



47.0590, 0.4581, 0.4745



87.0547, 0.3621, 0.3911



15.3939, 0.6099, 0.3133



18.2865, 0.3696, 0.3999



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.



47.0590, 0.4581, 0.4745



65.5748, 0.4584, 0.4742



58.0429, 0.3667, 0.5470



14.8196, 0.3271, 0.3478



27.7806, 0.4574, 0.4750



1.9107, 0.4501, 0.4809

Inverse Universe

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



6.8193, 0.1547, 0.0768



9.3869, 0.1544, 0.0757



6.3241, 0.1692, 0.0706



13.0172, 0.2981, 0.3095



4.1246, 0.1552, 0.0788



0.3865, 0.1632, 0.1076

Previews

White Background



This preview shows how the Yxy color 47.0564, 0.4581, 0.4745 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 47.0564, 0.4581, 0.4745 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 47.0564, 0.4581, 0.4745

Background



This preview shows how black text looks on a background with the Yxy color 47.0564, 0.4581, 0.4745.



This preview shows how white text looks on a background with the Yxy color 47.0564, 0.4581, 0.4745.

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

47.0564, 0.4581, 0.4745

Protanopia

47.0085, 0.4396, 0.4869

Deuteranopia

46.9135, 0.4709, 0.4603



Tritanopia

46.7826, 0.3613, 0.3142

Trichromacy



Original Color

47.0564, 0.4581, 0.4745

Protanomaly

46.9098, 0.4464, 0.4823

Deuteranomaly

47.0128, 0.4662, 0.4657

Tritanomaly

46.1105, 0.4172, 0.3948

Monochromacy



Original Color

47.0564, 0.4581, 0.4745

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.6612, 0.3829, 0.4155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0564, 0.4581, 0.4745 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(220, 178, 0)` looks like.

```
.text, #text, p{  
    color:rgb(220, 178, 0)  
}
```

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(220, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 178, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.0564, 0.4581, 0.4745 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(220, 178, 0) }
```

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

```
.border{ border-color:rgb(220, 178, 0) }
```

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

Here you see how a box with a 4 pixel rgb(220, 178, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(220, 178,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0564, 0.4581, 0.4745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 178, 0) }
```

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

```
.background{ background-color: rgb(220,  
178, 0) }
```

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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