

Converting Colors

$Yxy(48.0463, 0.4514, 0.4611)$

Have a look what the booklet for
Yxy(48.0463, 0.4514, 0.4611)
contains.

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Color

Yxy(48.1026, 0.4510, 0.4617)

Conversions

Conversions Part 1

Format	Color
Hex	DFB32B
RGB	223, 179, 43
RGB Percent	87%, 70%, 17%
CMY	0.1255, 0.2980, 0.8313
CMYK	0.00, 0.20, 0.81, 0.13
HSL	45°, 74%, 52%
HSV	45°, 81%, 87%
XYZ	46.9878, 48.1026, 9.0954
YIQ	176.6520, 69.8800, -32.9680

Conversions

Conversions Part 2

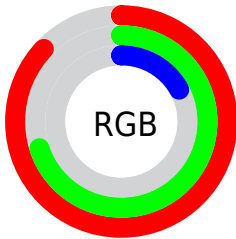
Format	Color
R_{YB}	101, 223, 43
Decimal	14660395
CIE _{Lab}	74.89, 3.59, 69.28
CIE _{LCh}	75, 69.371, 87.035
Yxy	48.1026, 0.4510, 0.4617
Android (android.graphics.Color)	4292850475 (0xFFDFB32B)
YUV	176.6520, -65.8904, 40.6472
Hunter-Lab	69.3560, -0.4416, 40.7739

Details

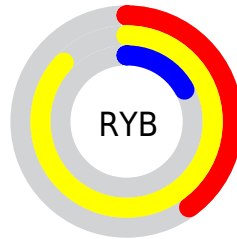
The Yxy color **48.1026, 0.4510, 0.4617** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **12.6609, 0.1743, 0.1245**, and the grayscale version is **44.1016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0452, 0.4098, 0.4549**, and **22.9653, 0.4641, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **45.8413, 0.4626, 0.4649**, and if you desaturate by 10%, it is **50.5443, 0.4365, 0.4536**.

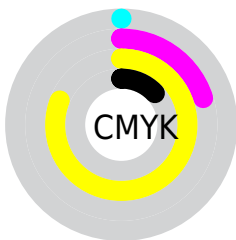
Distribution



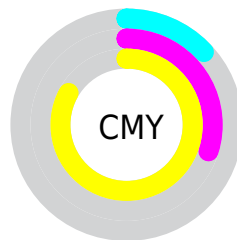
- Red (87%)
- Green (70%)
- Blue (17%)



- Red (40%)
- Yellow (87%)
- Blue (17%)



- Cyan (0%)
- Magenta (20%)
- Yellow (81%)
- Black (13%)





- Cyan (13%)
- Magenta (30%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1026, 0.4510, 0.4617 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 48.1026, 0.4510, 0.4617 by changing the saturation by 10% instead.


 48.1026, 0.4510,
0.4617


 48.1026, 0.4510,
0.4617


 379.1987, 0.3892,
0.4039


 33.9081, 0.4626,
0.4719


 87.3571, 0.4312,
0.4436


 22.8230, 0.4749,
0.4824


 113.1860, 0.4229,
0.4359


 14.4629, 0.4879,
0.4928


 143.6618, 0.4156,
0.4290

 8.4433, 0.4995,
0.5005

 179.1690, 0.4090,
0.4228

 4.3799, 0.5024,
0.4976

 220.0918, 0.4032,
0.4173

 1.8883, 0.5072,
0.4928

 266.8148, 0.3980,

 0.5413, 0.5266,

0.4124

0.4734

319.7223, 0.3934,
0.4079

■ 0.0000, 0.0000,
0.0000

■ 48.1026, 0.4510,
0.4617

■ 48.1026, 0.4510,
0.4617

■ 45.8413, 0.4626,
0.4649

■ 50.5443, 0.4365,
0.4536

■ 43.8740, 0.4711,
0.4642

■ 53.1732, 0.4197,
0.4413

■ 56.0032, 0.4015,
0.4256

■ 59.0446, 0.3827,
0.4075

■ 62.3067, 0.3641,
0.3882

■ 65.7981, 0.3462,
0.3685

■ 69.5268, 0.3294,
0.3490

■ 73.5001, 0.3138,
0.3303

■ 77.7251, 0.2995,
0.3126

Harmonies

Analogous

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



48.1026, 0.4965, 0.3964



48.1026, 0.4510, 0.4617



48.1026, 0.3730, 0.5048

Triad

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



48.1026, 0.4510, 0.4617



48.1026, 0.1644, 0.2894



48.1026, 0.3186, 0.2212

Complementary

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



48.1026, 0.4510, 0.4617



12.6609, 0.1743, 0.1245

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.



48.1026, 0.2328, 0.1942



48.1026, 0.4510, 0.4617



48.1026, 0.1555, 0.2217

Square

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



48.1026, 0.4510, 0.4617



48.1026, 0.2082, 0.3928



48.1026, 0.1781, 0.1927



48.1026, 0.4171, 0.2692

Rectangle

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



48.1026, 0.4510, 0.4617



48.1026, 0.3138, 0.5006



48.1026, 0.1781, 0.1927



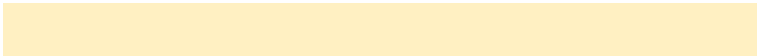
48.1026, 0.2871, 0.2096

Sweetspot

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



48.1050, 0.4510, 0.4617



87.4899, 0.3523, 0.3753



18.1222, 0.5317, 0.2915



18.3636, 0.3588, 0.3824



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.



48.1050, 0.4510, 0.4617



60.1001, 0.4690, 0.4644



62.4151, 0.3779, 0.5221



15.4322, 0.3273, 0.3466



25.9831, 0.4701, 0.4649



1.9382, 0.4606, 0.4725

Inverse Universe

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



12.6609, 0.1743, 0.1245



11.4172, 0.1587, 0.0896



9.1327, 0.1859, 0.0932



13.7847, 0.2981, 0.3108



4.8610, 0.1579, 0.0882



0.4763, 0.1660, 0.1176

Previews

White Background



This preview shows how the Yxy color 48.1026, 0.4510, 0.4617 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 48.1026, 0.4510, 0.4617 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 48.1026, 0.4510, 0.4617

Background



This preview shows how black text looks on a background with the Yxy color 48.1026, 0.4510, 0.4617.



This preview shows how white text looks on a background with the Yxy color 48.1026, 0.4510, 0.4617.

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

48.1026, 0.4510, 0.4617

Protanopia

48.1528, 0.4304, 0.4759

Deuteranopia

48.0052, 0.4620, 0.4518



Tritanopia

48.0885, 0.3617, 0.3144

Trichromacy



Original Color

48.1026, 0.4510, 0.4617

Protanomaly

48.1950, 0.4380, 0.4709

Deuteranomaly

47.8905, 0.4588, 0.4550

Tritanomaly

47.3955, 0.4044, 0.3765

Monochromacy



Original Color

48.1026, 0.4510, 0.4617

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.8686, 0.3696, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1026, 0.4510, 0.4617 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(223, 179, 43)` looks like.

```
.text, #text, p{  
    color:rgb(223, 179, 43)  
}
```

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(223, 179, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 179, 43) }
```

Border

The CSS property to change the border of an element to Yxy 48.1026, 0.4510, 0.4617 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(223, 179, 43) }
```

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

```
.border{ border-color:rgb(223, 179, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 179, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 179, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 179, 43);  
box-shadow:4px 4px 4px 4px rgb(223, 179,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1026, 0.4510, 0.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 179, 43) }
```

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

```
.background{ background-color: rgb(223,  
179, 43) }
```

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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