

Converting Colors

$Yxy(42.0449, 0.4672, 0.4583)$

Have a look what the booklet for
Yxy(42.0449, 0.4672, 0.4583)
contains.

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Color

Yxy(42.0449, 0.4672, 0.4583)

Conversions

Conversions Part 1

Format	Color
Hex	DBA51A
RGB	219, 165, 26
RGB Percent	86%, 65%, 10%
CMY	0.1411, 0.3530, 0.8979
CMYK	0.00, 0.25, 0.88, 0.14
HSL	43°, 79%, 48%
HSV	43°, 88%, 86%
XYZ	42.8614, 42.0449, 6.8347
YIQ	165.3000, 76.8030, -31.7810

Conversions

Conversions Part 2

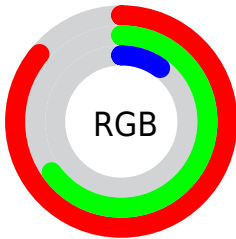
Format	Color
RYB	101, 219, 26
Decimal	14394650
CIELab	70.90, 8.85, 70.35
CIELCh	71, 70.900, 82.832
Yxy	42.0449, 0.4672, 0.4583
Android (android.graphics.Color)	4292584730 (0xFFDBA51A)
YUV	165.3000, -68.6749, 47.0949
Hunter-Lab	64.8420, 4.5172, 39.1399

Details

The Yxy color **42.0449, 0.4672, 0.4583** 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 **11.0817, 0.1685, 0.1160**, and the grayscale version is **38.0905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1510, 0.4248, 0.4530**, and **19.4056, 0.4792, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **39.8221, 0.4781, 0.4575**, and if you desaturate by 10%, it is **44.4504, 0.4533, 0.4544**.

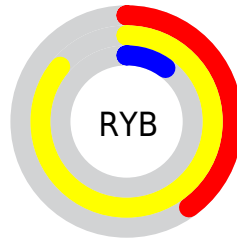
Distribution



Red (86%)

Green (65%)

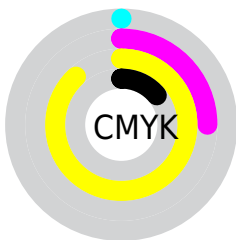
Blue (10%)



Red (40%)

Yellow (86%)

Blue (10%)

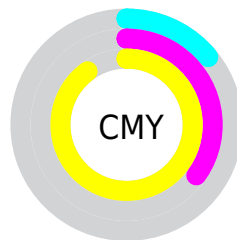


Cyan (0%)

Magenta (25%)

Yellow (88%)

Black (14%)



Cyan (14%)


Magenta (35%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0449, 0.4672, 0.4583 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 42.0449, 0.4672, 0.4583 by changing the saturation by 10% instead.


 42.0449, 0.4672,
0.4583

 42.0449, 0.4672,
0.4583


354.6690, 0.3968,
0.4033

 29.1365, 0.4804,
0.4670


 78.2676, 0.4445,
0.4418


 19.1841, 0.4943,
0.4750


 102.3506, 0.4351,
0.4344


 11.8034, 0.5136,
0.4859


 130.9273, 0.4267,
0.4278

 6.6099, 0.5194,
0.4806

 164.3819, 0.4193,
0.4219

 3.2194, 0.5279,
0.4721

 203.0991, 0.4127,
0.4165

 1.2473, 0.5423,
0.4577

 247.4630, 0.4068,

 0.0998, 0.7569,

0.4116

0.2431

297.8582, 0.4015,
0.4072

■ 0.0000, 0.0000,
0.0000

■ 42.0449, 0.4672,
0.4583

■ 42.0449, 0.4672,
0.4583

■ 39.8221, 0.4781,
0.4575

■ 44.4504, 0.4533,
0.4544

■ 39.4185, 0.4800,
0.4571

■ 47.0505, 0.4367,
0.4457

■ 49.8602, 0.4181,
0.4329

■ 52.8909, 0.3987,
0.4171

■ 56.1524, 0.3791,
0.3994

■ 59.6541, 0.3600,
0.3807

■ 63.4043, 0.3420,
0.3618

■ 67.4110, 0.3252,
0.3434

■ 71.6816, 0.3099,
0.3258

Harmonies

Analogous

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



42.0449, 0.5101, 0.3878



42.0449, 0.4672, 0.4583



42.0449, 0.3875, 0.5125

Triad

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



42.0449, 0.4672, 0.4583



42.0449, 0.1601, 0.2994



42.0449, 0.3041, 0.2099

Complementary

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



42.0449, 0.4672, 0.4583



11.0817, 0.1685, 0.1160

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.



42.0449, 0.2177, 0.1852



42.0449, 0.4672, 0.4583



42.0449, 0.1466, 0.2220

Square

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



42.0449, 0.4672, 0.4583



42.0449, 0.2107, 0.4138



42.0449, 0.1657, 0.1873



42.0449, 0.4099, 0.2573

Rectangle

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



42.0449, 0.4672, 0.4583



42.0449, 0.3255, 0.5176



42.0449, 0.1657, 0.1873



42.0449, 0.2718, 0.1989

Sweetspot

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



42.0470, 0.4672, 0.4583



85.1648, 0.3565, 0.3771



16.3939, 0.5478, 0.2891



17.8459, 0.3630, 0.3837



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.



42.0470, 0.4672, 0.4583



55.3790, 0.4806, 0.4566



60.1237, 0.3830, 0.5269



14.6155, 0.3274, 0.3458



23.5603, 0.4789, 0.4580



1.6690, 0.4670, 0.4674

Inverse Universe

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



11.0817, 0.1685, 0.1160



11.7763, 0.1589, 0.0921



7.0790, 0.1722, 0.0785



13.2077, 0.2981, 0.3117



5.1914, 0.1600, 0.0959



0.4805, 0.1690, 0.1282

Previews

White Background



This preview shows how the Yxy color 42.0449, 0.4672, 0.4583 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 42.0449, 0.4672, 0.4583 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 42.0449, 0.4672, 0.4583

Background



This preview shows how black text looks on a background with the Yxy color 42.0449, 0.4672, 0.4583.



This preview shows how white text looks on a background with the Yxy color 42.0449, 0.4672, 0.4583.

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

42.0449, 0.4672, 0.4583

Protanopia

42.0966, 0.4357, 0.4811

Deuteranopia

42.0449, 0.4672, 0.4583



Tritanopia

42.1587, 0.3753, 0.3163

Trichromacy



Original Color

42.0449, 0.4672, 0.4583

Protanomaly

42.0470, 0.4466, 0.4733

Deuteranomaly

42.0449, 0.4672, 0.4583

Tritanomaly

41.5159, 0.4219, 0.3808

Monochromacy



Original Color

42.0449, 0.4672, 0.4583

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.4395, 0.3788, 0.3989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0449, 0.4672, 0.4583 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(219, 165, 26)` looks like.

```
.text, #text, p{  
    color:rgb(219, 165, 26)  
}
```

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(219, 165, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 165, 26) }
```

Border

The CSS property to change the border of an element to Yxy 42.0449, 0.4672, 0.4583 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(219, 165, 26) }
```

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

```
.border{ border-color:rgb(219, 165, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 165, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 165, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 165, 26);  
box-shadow:4px 4px 4px 4px rgb(219, 165,  
26) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.0449, 0.4672, 0.4583$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 165, 26) }
```

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

```
.background{ background-color: rgb(219,  
165, 26) }
```

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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