

Converting Colors

$Y_{xy}(42.8549, 0.4602, 0.4570)$

Have a look what the booklet for
Yxy(42.8549, 0.4602, 0.4570)
contains.

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Color

Yxy(42.6764, 0.4608, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	DAA725
RGB	218, 167, 37
RGB Percent	85%, 65%, 15%
CMY	0.1451, 0.3451, 0.8548
CMYK	0.00, 0.23, 0.83, 0.15
HSL	43°, 71%, 50%
HSV	43°, 83%, 85%
XYZ	43.0690, 42.6764, 7.7203
YIQ	167.4290, 72.1260, -29.6180

Conversions

Conversions Part 2

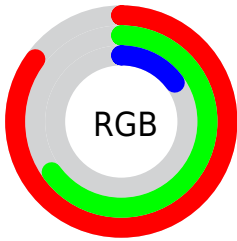
Format	Color
RYB	108, 218, 37
Decimal	14329637
CIELab	71.33, 7.60, 67.80
CIELCh	71, 68.223, 83.605
Yxy	42.6764, 0.4608, 0.4566
Android (android.graphics.Color)	4292519717 (0xFFDAA725)
YUV	167.4290, -64.3015, 44.3508
Hunter-Lab	65.3272, 3.3591, 38.7222

Details

The Yxy color **42.6764, 0.4608, 0.4566** 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 **12.4437, 0.1740, 0.1280**, and the grayscale version is **39.1612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3288, 0.4201, 0.4497**, and **19.5306, 0.4764, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **40.3815, 0.4733, 0.4580**, and if you desaturate by 10%, it is **45.1641, 0.4453, 0.4502**.

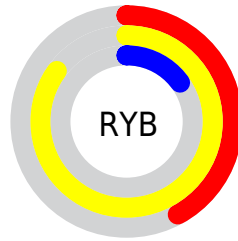
Distribution



Red (85%)

Green (65%)

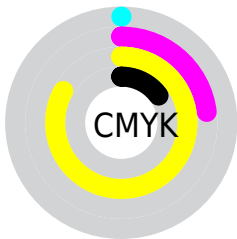
Blue (15%)



Red (42%)

Yellow (85%)

Blue (15%)

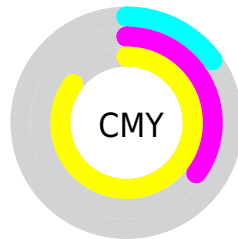


Cyan (0%)

Magenta (23%)

Yellow (83%)

Black (15%)



Cyan (15%)

Magenta (35%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6764, 0.4608, 0.4566 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 42.6764, 0.4608, 0.4566 by changing the saturation by 10% instead.


 42.6764, 0.4608,
0.4566


 42.6764, 0.4608,
0.4566


357.2793, 0.3928,
0.4012


 29.6313, 0.4738,
0.4659

 79.2223, 0.4387,
0.4395

 19.5589, 0.4878,
0.4749


 103.4919, 0.4295,
0.4322


 12.0748, 0.5050,
0.4852


 132.2718, 0.4215,
0.4255

 6.7947, 0.5147,
0.4853

 165.9463, 0.4144,
0.4196

 3.3340, 0.5219,
0.4781

 204.9000, 0.4080,
0.4143

 1.3085, 0.5341,
0.4659

 249.5171, 0.4024,

 0.1478, 0.6881,

0.4095

0.3119

300.1820, 0.3974,
0.4051

0.0000, 0.0000,
0.0000

42.6764, 0.4608,
0.4566

42.6764, 0.4608,
0.4566

40.3815, 0.4733,
0.4580

45.1641, 0.4453,
0.4502

38.8727, 0.4805,
0.4567

47.8525, 0.4275,
0.4394

50.7555, 0.4084,
0.4249

53.8836, 0.3887,
0.4080

57.2464, 0.3693,
0.3897

■ 60.8524, 0.3507,
0.3709

■ 64.7099, 0.3333,
0.3522

■ 68.8264, 0.3173,
0.3342

■ 73.2091, 0.3027,
0.3172

Harmonies

Analogous

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



42.6764, 0.5023, 0.3890



42.6764, 0.4608, 0.4566



42.6764, 0.3837, 0.5061

Triad

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



42.6764, 0.4608, 0.4566



42.6764, 0.1647, 0.2988



42.6764, 0.3073, 0.2149

Complementary

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



42.6764, 0.4608, 0.4566



12.4437, 0.1740, 0.1280

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.



42.6764, 0.2230, 0.1902



42.6764, 0.4608, 0.4566



42.6764, 0.1521, 0.2251

Square

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



42.6764, 0.4608, 0.4566



42.6764, 0.2133, 0.4072



42.6764, 0.1714, 0.1917



42.6764, 0.4085, 0.2615

Rectangle

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



42.6764, 0.4608, 0.4566



42.6764, 0.3237, 0.5084



42.6764, 0.1714, 0.1917



42.6764, 0.2760, 0.2039

Sweetspot

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



42.6785, 0.4608, 0.4566



85.6190, 0.3547, 0.3751



16.9423, 0.5295, 0.2861



17.9331, 0.3612, 0.3818



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.



42.6785, 0.4608, 0.4566



55.1784, 0.4811, 0.4562



59.8419, 0.3829, 0.5214



14.6112, 0.3274, 0.3457



23.4771, 0.4794, 0.4576



1.6642, 0.4674, 0.4671

Inverse Universe

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



12.4437, 0.1740, 0.1280



11.8386, 0.1590, 0.0925



7.9346, 0.1788, 0.0869



13.2118, 0.2981, 0.3117



5.2188, 0.1601, 0.0963



0.4827, 0.1691, 0.1287

Previews

White Background



This preview shows how the Yxy color 42.6764, 0.4608, 0.4566 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 42.6764, 0.4608, 0.4566 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 42.6764, 0.4608, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 42.6764, 0.4608, 0.4566.



This preview shows how white text looks on a background with the Yxy color 42.6764, 0.4608, 0.4566.

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

42.6764, 0.4608, 0.4566

Protanopia

42.6767, 0.4326, 0.4768

Deuteranopia

42.6280, 0.4633, 0.4540



Tritanopia

42.7357, 0.3717, 0.3163

Trichromacy



Original Color

42.6764, 0.4608, 0.4566

Protanomaly

42.6241, 0.4434, 0.4692

Deuteranomaly

42.4724, 0.4624, 0.4546

Tritanomaly

42.1857, 0.4141, 0.3765

Monochromacy



Original Color

42.6764, 0.4608, 0.4566

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.4326, 0.3735, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6764, 0.4608, 0.4566 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(218, 167, 37)` looks like.

```
.text, #text, p{  
    color:rgb(218, 167, 37)  
}
```

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(218, 167, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 167, 37) }
```

Border

The CSS property to change the border of an element to Yxy 42.6764, 0.4608, 0.4566 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(218, 167, 37) }
```

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

```
.border{ border-color:rgb(218, 167, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 167, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 167, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 167, 37);  
box-shadow:4px 4px 4px 4px rgb(218, 167,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6764, 0.4608, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 167, 37) }
```

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

```
.background{ background-color: rgb(218,  
167, 37) }
```

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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