

Converting Colors

$Y_{xy}(42.5925, 0.4596, 0.4655)$

Have a look what the booklet for
Yxy(42.5925, 0.4596, 0.4655)
contains.

Yxy(42.7380, 0.4588, 0.4660)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.7380, 0.4588, 0.4660)

Conversions

Conversions Part 1

Format	Color
Hex	D6A918
RGB	214, 169, 24
RGB Percent	84%, 66%, 9%
CMY	0.1609, 0.3372, 0.9058
CMYK	0.00, 0.21, 0.89, 0.16
HSL	46°, 80%, 47%
HSV	46°, 89%, 84%
XYZ	42.0777, 42.7380, 6.8968
YIQ	165.9250, 73.3650, -35.5550

Conversions

Conversions Part 2

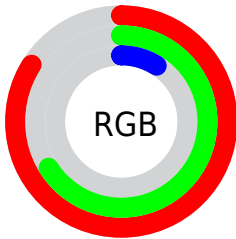
Format	Color
RYB	83, 214, 24
Decimal	14067992
CIELab	71.38, 4.45, 70.93
CIELCh	71, 71.064, 86.411
Yxy	42.7380, 0.4588, 0.4660
Android (android.graphics.Color)	4292258072 (0xFFD6A918)
YUV	165.9250, -69.9690, 42.1618
Hunter-Lab	65.3743, 0.4851, 39.5071

Details

The Yxy color **42.7380, 0.4588, 0.4660** 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 **9.3014, 0.1653, 0.1050**, and the grayscale version is **38.4150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2594, 0.4226, 0.4568**, and **19.5926, 0.4685, 0.4662** is the 20% darker color. If you saturate the color by 10%, you get **40.8318, 0.4679, 0.4659**, and if you desaturate by 10%, it is **44.7878, 0.4468, 0.4616**.

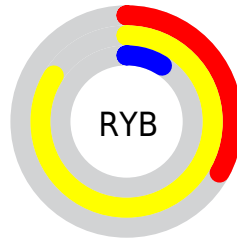
Distribution



Red (84%)

Green (66%)

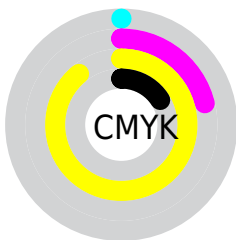
Blue (9%)



Red (33%)

Yellow (84%)

Blue (9%)

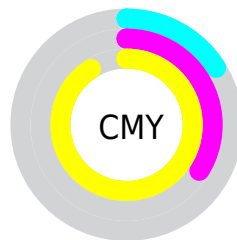


Cyan (0%)

Magenta (21%)

Yellow (89%)

Black (16%)



Cyan (16%)


Magenta (34%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7380, 0.4588, 0.4660 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 42.7380, 0.4588, 0.4660 by changing the saturation by 10% instead.


 42.7380, 0.4588,
0.4660


 42.7380, 0.4588,
0.4660


357.5332, 0.3931,
0.4064


 29.6796, 0.4708,
0.4760


 79.3153, 0.4379,
0.4477


 19.5955, 0.4831,
0.4856


 103.6031, 0.4291,
0.4397


 12.1014, 0.5001,
0.4987


 132.4027, 0.4212,
0.4326

 6.8128, 0.5035,
0.4965

 166.0986, 0.4143,
0.4262

 3.3453, 0.5077,
0.4923

 205.0753, 0.4081,
0.4204

 1.3145, 0.5150,
0.4850

 249.7170, 0.4025,

 0.1524, 0.6245,

0.4153

0.3755

300.4081, 0.3975,
0.4106

■ 0.0000, 0.0000,
0.0000

■ 42.7380, 0.4588,
0.4660

■ 42.7380, 0.4588,
0.4660

■ 40.8318, 0.4679,
0.4659

■ 44.7878, 0.4468,
0.4616

■ 40.6037, 0.4690,
0.4658

■ 46.9929, 0.4321,
0.4525

■ 49.3674, 0.4153,
0.4392

■ 51.9213, 0.3972,
0.4229

■ 54.6637, 0.3787,
0.4044

■ 57.6027, 0.3603,
0.3848

■ 60.7460, 0.3427,
0.3649

■ 64.1004, 0.3262,
0.3454

■ 67.6727, 0.3109,
0.3268

Harmonies

Analogous

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



42.7380, 0.5073, 0.3962



42.7380, 0.4588, 0.4660



42.7380, 0.3766, 0.5154

Triad

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



42.7380, 0.4588, 0.4660



42.7380, 0.1570, 0.2879



42.7380, 0.3163, 0.2148

Complementary

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



42.7380, 0.4588, 0.4660



9.3014, 0.1653, 0.1050

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.



42.7380, 0.2265, 0.1871



42.7380, 0.4588, 0.4660



42.7380, 0.1476, 0.2162

Square

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



42.7380, 0.4588, 0.4660



42.7380, 0.2030, 0.3994



42.7380, 0.1704, 0.1858



42.7380, 0.4216, 0.2643

Rectangle

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



42.7380, 0.4588, 0.4660



42.7380, 0.3143, 0.5138



42.7380, 0.1704, 0.1858



42.7380, 0.2831, 0.2028

Sweetspot

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



42.7401, 0.4588, 0.4660



86.3729, 0.3576, 0.3818



15.4073, 0.5606, 0.2958



18.1540, 0.3638, 0.3887



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.



42.7401, 0.4588, 0.4660



60.1354, 0.4696, 0.4654



56.3020, 0.3778, 0.5314



13.9986, 0.3272, 0.3467



24.7179, 0.4681, 0.4665



1.6140, 0.4579, 0.4746

Inverse Universe

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



9.3014, 0.1653, 0.1050



10.4881, 0.1565, 0.0834



6.8669, 0.1754, 0.0798



12.4810, 0.2982, 0.3107



4.4814, 0.1575, 0.0870



0.3997, 0.1668, 0.1204

Previews

White Background



This preview shows how the Yxy color 42.7380, 0.4588, 0.4660 looks on a white background.

Color Contrast Check

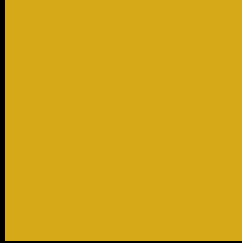
Large Text (above 18pt) WCAG AA × Fail

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 42.7380, 0.4588, 0.4660 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 42.7380, 0.4588, 0.4660

Background



This preview shows how black text looks on a background with the Yxy color 42.7380, 0.4588, 0.4660.



This preview shows how white text looks on a background with the Yxy color 42.7380, 0.4588, 0.4660.

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

42.7380, 0.4588, 0.4660

Protanopia

42.6048, 0.4364, 0.4824

Deuteranopia

42.7237, 0.4676, 0.4576



Tritanopia

42.5081, 0.3655, 0.3149

Trichromacy



Original Color

42.7380, 0.4588, 0.4660

Protanomaly

42.6538, 0.4443, 0.4768

Deuteranomaly

42.6174, 0.4641, 0.4608

Tritanomaly

41.8108, 0.4133, 0.3831

Monochromacy



Original Color

42.7380, 0.4588, 0.4660

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.9196, 0.3758, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7380, 0.4588, 0.4660 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(214, 169, 24)` looks like.

```
.text, #text, p{  
    color:rgb(214, 169, 24)  
}
```

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(214, 169, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 169, 24) }
```

Border

The CSS property to change the border of an element to Yxy 42.7380, 0.4588, 0.4660 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(214, 169, 24) }
```

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

```
.border{ border-color:rgb(214, 169, 24) }
```

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

Here you see how a box with a 4 pixel rgb(214, 169, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 169, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 169, 24);  
box-shadow:4px 4px 4px 4px rgb(214, 169,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7380, 0.4588, 0.4660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 169, 24) }
```

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

```
.background{ background-color: rgb(214,  
169, 24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor