

Converting Colors

$Yxy(48.6284, 0.3361, 0.5714)$

Have a look what the booklet for
Yxy(48.6284, 0.3361, 0.5714)
contains.

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Color

Yxy(48.6042, 0.3364, 0.5711)

Conversions

Conversions Part 1

Format	Color
Hex	69D100
RGB	105, 209, 0
RGB Percent	41%, 82%, 0%
CMY	0.5881, 0.1804, 0.9999
CMYK	0.50, 0.00, 1.00, 0.18
HSL	90°, 100%, 41%
HSV	90°, 100%, 82%
XYZ	28.6298, 48.6042, 7.8723
YIQ	154.0780, 5.1050, -87.0470

Conversions

Conversions Part 2

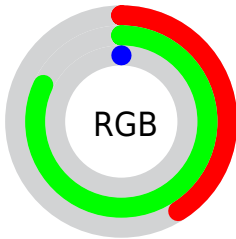
Format	Color
RYB	0, 209, 104
Decimal	6934784
CIELab	75.20, -57.95, 73.93
CIELCh	75, 93.938, 128.093
Yxy	48.6042, 0.3364, 0.5711
Android (android.graphics.Color)	4285124864 (0xFF69D100)
YUV	154.0780, -75.9605, -43.0414
Hunter-Lab	69.7167, -48.7017, 42.1067

Details

The Yxy color **48.6042, 0.3364, 0.5711** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **7.5452, 0.2010, 0.0881**, and the grayscale version is **32.6958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1439, 0.3434, 0.5209**, and **23.1398, 0.3094, 0.5925** is the 20% darker color. If you saturate the color by 10%, you get **48.6058, 0.3364, 0.5711**, and if you desaturate by 10%, it is **49.3289, 0.3415, 0.5603**.

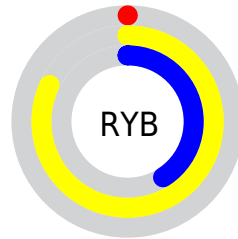
Distribution



Red (41%)

Green (82%)

Blue (0%)



Red (0%)

Yellow (82%)

Blue (41%)

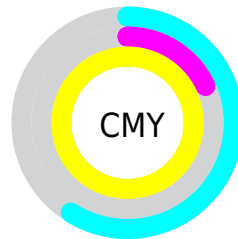


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (59%)


Magenta (18%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6042, 0.3364, 0.5711 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 48.6042, 0.3364, 0.5711 by changing the saturation by 10% instead.


 48.6042, 0.3364,
0.5711


 48.6042, 0.3364,
0.5711


381.1821, 0.3369,
0.4467


 34.3056, 0.3313,
0.6000


 88.1033, 0.3402,
0.5268


 23.1285, 0.3219,
0.6346


 114.0726, 0.3405,
0.5097

 14.6884, 0.3071,
0.6800


 144.7010, 0.3403,
0.4952

 8.6010, 0.2760,
0.7240

 180.3728, 0.3398,
0.4827

 4.4819, 0.2252,
0.7748

 221.4724, 0.3392,
0.4719

 1.9466, 0.0868,
0.9132

 268.3842, 0.3385,

 0.5762, 0.0000,

0.4624

1.0000

321.4926, 0.3377,
0.4541

■ 0.0000, 0.0000,
0.0000

■ 48.6042, 0.3364,
0.5711

■ 48.6042, 0.3364,
0.5711

■ 48.6058, 0.3364,
0.5711

■ 49.3289, 0.3415,
0.5603

■ 50.1894, 0.3450,
0.5445

■ 51.2098, 0.3462,
0.5233

■ 52.4032, 0.3453,
0.4978

■ 53.7810, 0.3425,
0.4694

■ 55.3532, 0.3380,
0.4397

■ 57.1290, 0.3324,
0.4099

■ 59.1170, 0.3261,
0.3811

■ 61.3252, 0.3195,
0.3540

Harmonies

Analogous

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



48.6042, 0.4440, 0.5176



48.6042, 0.3364, 0.5711



48.6042, 0.2287, 0.5104

Triad

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



48.6042, 0.3364, 0.5711



48.6042, 0.1237, 0.1722



48.6042, 0.4946, 0.2752

Complementary

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



48.6042, 0.3364, 0.5711



7.5452, 0.2010, 0.0881

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.



48.6042, 0.3669, 0.2117



48.6042, 0.3364, 0.5711



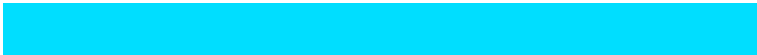
48.6042, 0.1630, 0.1553

Square

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



48.6042, 0.3364, 0.5711



48.6042, 0.1183, 0.2326



48.6042, 0.2435, 0.1696



48.6042, 0.5557, 0.3487

Rectangle

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



48.6042, 0.3364, 0.5711



48.6042, 0.1715, 0.4091



48.6042, 0.2435, 0.1696



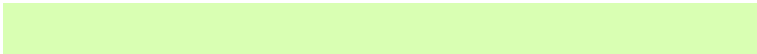
48.6042, 0.4561, 0.2524

Sweetspot

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



48.6063, 0.3364, 0.5711



89.4978, 0.3326, 0.4109



22.8673, 0.5468, 0.4040



18.8945, 0.3351, 0.4236



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.



48.6063, 0.3364, 0.5711



76.1209, 0.3356, 0.5717



45.6231, 0.3003, 0.5998



13.4939, 0.3191, 0.3525



30.0279, 0.3374, 0.5703



1.7261, 0.3514, 0.5592

Inverse Universe

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



7.5452, 0.2010, 0.0881



11.7204, 0.1999, 0.0875



17.6564, 0.3167, 0.1519



11.7023, 0.3059, 0.3055



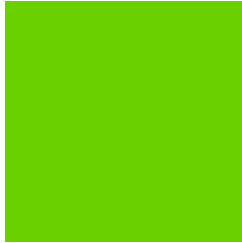
4.7103, 0.2025, 0.0889



0.3105, 0.2226, 0.1000

Previews

White Background



This preview shows how the Yxy color 48.6042, 0.3364, 0.5711 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 48.6042, 0.3364, 0.5711 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 48.6042, 0.3364, 0.5711

Background



This preview shows how black text looks on a background with the Yxy color 48.6042, 0.3364, 0.5711.



This preview shows how white text looks on a background with the Yxy color 48.6042, 0.3364, 0.5711.

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

48.6042, 0.3364, 0.5711

Protanopia

47.6909, 0.4414, 0.4878

Deuteranopia

47.9902, 0.4627, 0.4527



Tritanopia

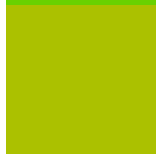
48.2233, 0.2586, 0.3072

Trichromacy



Original Color

48.6042, 0.3364, 0.5711



Protanomaly

46.7979, 0.3994, 0.5211



Deuteranomaly

46.0589, 0.4146, 0.4996



Tritanomaly

46.7790, 0.3003, 0.4271

Monochromacy



Original Color

48.6042, 0.3364, 0.5711



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.3882, 0.3394, 0.4492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6042, 0.3364, 0.5711 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(105, 209, 0)` looks like.

```
.text, #text, p{  
    color:rgb(105, 209, 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(105, 209, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 209, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.6042, 0.3364, 0.5711 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(105, 209, 0) }
```

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

```
.border{ border-color:rgb(105, 209, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 209, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 209, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 209, 0);  
box-shadow:4px 4px 4px 4px rgb(105, 209,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6042, 0.3364, 0.5711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 209, 0) }
```

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

```
.background{ background-color: rgb(105,  
209, 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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