

Converting Colors

$Yxy(49.1513, 0.3077, 0.4914)$

Have a look what the booklet for
Yxy(49.1513, 0.3077, 0.4914)
contains.

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Color

Yxy(49.0546, 0.3075, 0.4908)

Conversions

Conversions Part 1

Format	Color
Hex	69D065
RGB	105, 208, 101
RGB Percent	41%, 82%, 40%
CMY	0.5881, 0.1843, 0.6039
CMYK	0.49, 0.00, 0.51, 0.18
HSL	118°, 53%, 61%
HSV	118°, 51%, 82%
XYZ	30.7341, 49.0546, 20.1596
YIQ	165.0050, -27.0410, -55.1130

Conversions

Conversions Part 2

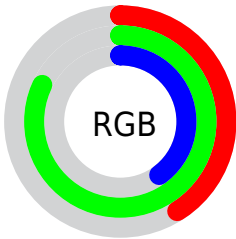
Format	Color
RYB	101, 208, 204
Decimal	6934629
CIELab	75.49, -51.15, 43.74
CIElCh	75, 67.300, 139.462
Yxy	49.0546, 0.3075, 0.4908
Android (android.graphics.Color)	4285124709 (0xFF69D065)
YUV	165.0050, -31.5545, -52.6244
Hunter-Lab	70.0390, -44.2399, 31.9616

Details

The Yxy color **49.0546, 0.3075, 0.4908** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.6922, 0.3141, 0.2049**, and the grayscale version is **37.7990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6396, 0.3121, 0.4494**, and **23.5263, 0.2989, 0.5425** is the 20% darker color. If you saturate the color by 10%, you get **47.6260, 0.3059, 0.5248**, and if you desaturate by 10%, it is **50.8756, 0.3089, 0.4553**.

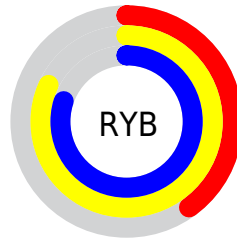
Distribution



Red (41%)

Green (82%)

Blue (40%)



Red (40%)

Yellow (82%)

Blue (80%)

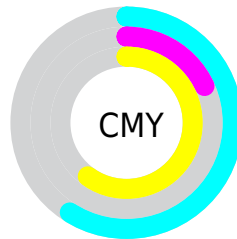


Cyan (49%)

Magenta (0%)

Yellow (51%)

Black (18%)



Cyan (59%)


Magenta (18%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0546, 0.3075, 0.4908 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 49.0546, 0.3075, 0.4908 by changing the saturation by 10% instead.


 49.0546, 0.3075,
0.4908


 49.0546, 0.3075,
0.4908


382.9572, 0.3143,
0.4050

 34.6628, 0.3042,
0.5132


 88.7725, 0.3111,
0.4587


 23.4032, 0.2991,
0.5424


 114.8675, 0.3121,
0.4469

 14.8915, 0.2904,
0.5813


 145.6322, 0.3128,
0.4371

 8.7433, 0.2750,
0.6348

 181.4512, 0.3133,
0.4287

 4.5741, 0.2564,
0.7413

222.7088, 0.3137,
0.4215

 1.9996, 0.1600,
0.8400

269.7894, 0.3139,

 0.6073, 0.0000,

0.4153

1.0000

323.0774, 0.3141,
0.4098

■ 0.0000, 0.0000,
0.0000

■ 49.0546, 0.3075,
0.4908

■ 49.0546, 0.3075,
0.4908

■ 47.6260, 0.3059,
0.5248

■ 50.8756, 0.3089,
0.4553

■ 46.5555, 0.3043,
0.5547

■ 53.1084, 0.3102,
0.4205

■ 45.8130, 0.3027,
0.5779


■ 55.7783, 0.3112,
0.3880


■ 45.3608, 0.3014,
0.5927


■ 58.9068, 0.3120,
0.3586

■ 45.1620, 0.3007,
0.5994

■ 62.5140, 0.3126,
0.3325

 66.6189, 0.3131,
0.3097

 71.2394, 0.3135,
0.2901

 73.5912, 0.3149,
0.2831

Harmonies

Analogous

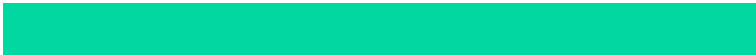
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.0546, 0.3928, 0.4926



49.0546, 0.3075, 0.4908



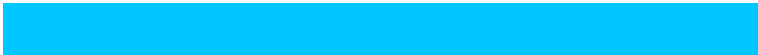
49.0546, 0.2282, 0.4165

Triad

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



49.0546, 0.3075, 0.4908



49.0546, 0.1736, 0.2009



49.0546, 0.4685, 0.3150

Complementary

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



49.0546, 0.3075, 0.4908



26.6922, 0.3141, 0.2049

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.



49.0546, 0.3903, 0.2579



49.0546, 0.3075, 0.4908



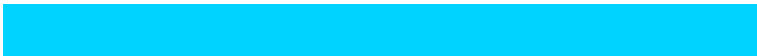
49.0546, 0.2190, 0.1951

Square

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



49.0546, 0.3075, 0.4908



49.0546, 0.1592, 0.2383



49.0546, 0.2954, 0.2155



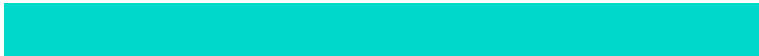
49.0546, 0.4938, 0.3789

Rectangle

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



49.0546, 0.3075, 0.4908



49.0546, 0.1898, 0.3471



49.0546, 0.2954, 0.2155



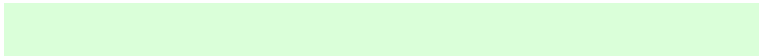
49.0546, 0.4470, 0.2949

Sweetspot

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



49.0567, 0.3075, 0.4908



91.4524, 0.3117, 0.3692



56.8956, 0.3902, 0.4473



19.3475, 0.3115, 0.3754



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.



49.0567, 0.3075, 0.4908



75.2574, 0.3057, 0.5290



50.0526, 0.2784, 0.4178



13.2273, 0.3121, 0.3530



28.1572, 0.3009, 0.5993



1.5820, 0.3039, 0.5969

Inverse Universe

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



26.6922, 0.3141, 0.2049



35.8952, 0.3139, 0.1835



25.2497, 0.3761, 0.2567



11.9853, 0.3132, 0.3061



10.5134, 0.3116, 0.1490



0.5951, 0.3134, 0.1500

Previews

White Background



This preview shows how the Yxy color 49.0546, 0.3075, 0.4908 looks on a white background.

Color Contrast Check

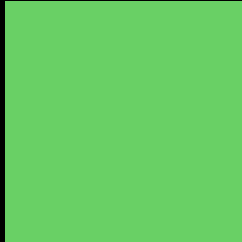
Large Text (above 18pt) WCAG AA × Fail

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 49.0546, 0.3075, 0.4908 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 49.0546, 0.3075, 0.4908

Background



This preview shows how black text looks on a background with the Yxy color 49.0546, 0.3075, 0.4908.



This preview shows how white text looks on a background with the Yxy color 49.0546, 0.3075, 0.4908.

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

49.0546, 0.3075, 0.4908

Protanopia

48.3256, 0.4024, 0.4397

Deuteranopia

48.0021, 0.4149, 0.4062



Tritanopia

48.8225, 0.2550, 0.3072

Trichromacy



Original Color

49.0546, 0.3075, 0.4908



Protanomaly

47.3093, 0.3629, 0.4599



Deuteranomaly

46.8308, 0.3703, 0.4374



Tritanomaly

48.2802, 0.2745, 0.3697

Monochromacy



Original Color

49.0546, 0.3075, 0.4908



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.8404, 0.3108, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0546, 0.3075, 0.4908 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, 208, 101)` looks like.

```
.text, #text, p{  
    color:rgb(105, 208, 101)  
}
```

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, 208, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 208, 101) }
```

Border

The CSS property to change the border of an element to Yxy 49.0546, 0.3075, 0.4908 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, 208, 101) }
```

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

```
.border{ border-color:rgb(105, 208, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 208, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 208, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 208, 101);  
box-shadow:4px 4px 4px 4px rgb(105, 208,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0546, 0.3075, 0.4908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 208, 101) }
```

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

```
.background{ background-color: rgb(105,  
208, 101) }
```

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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