

Converting Colors

Yxy(48.9706, 0.3106, 0.4931)

Have a look what the booklet for
Yxy(48.9706, 0.3106, 0.4931)
contains.

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Color

Yxy(49.1817, 0.3109, 0.4941)

Conversions

Conversions Part 1

Format	Color
Hex	6CD062
RGB	108, 208, 98
RGB Percent	42%, 82%, 38%
CMY	0.5764, 0.1843, 0.6158
CMYK	0.48, 0.00, 0.53, 0.18
HSL	115°, 54%, 60%
HSV	115°, 53%, 82%
XYZ	30.9463, 49.1817, 19.4099
YIQ	165.5600, -24.2900, -55.4100

Conversions

Conversions Part 2

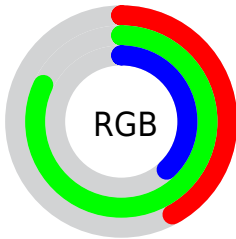
Format	Color
RYB	98, 208, 198
Decimal	7131234
CIELab	75.56, -50.70, 45.31
CIELCh	76, 67.994, 138.213
Yxy	49.1817, 0.3109, 0.4941
Android (android.graphics.Color)	4285321314 (0xFF6CD062)
YUV	165.5600, -33.3071, -50.4801
Hunter-Lab	70.1297, -43.9596, 32.6810

Details

The Yxy color **49.1817, 0.3109, 0.4941** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.2828, 0.3078, 0.1994**, and the grayscale version is **38.0853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7537, 0.3147, 0.4525**, and **23.5841, 0.3030, 0.5473** is the 20% darker color. If you saturate the color by 10%, you get **47.7810, 0.3094, 0.5273**, and if you desaturate by 10%, it is **50.9455, 0.3120, 0.4592**.

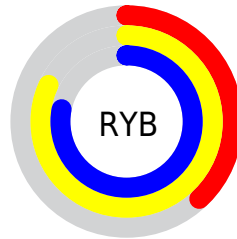
Distribution



Red (42%)

Green (82%)

Blue (38%)



Red (38%)

Yellow (82%)

Blue (78%)

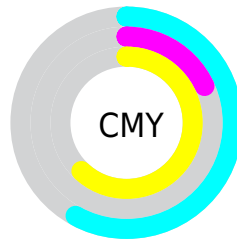


Cyan (48%)

Magenta (0%)

Yellow (53%)

Black (18%)



Cyan (58%)


Magenta (18%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1817, 0.3109, 0.4941 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 49.1817, 0.3109, 0.4941 by changing the saturation by 10% instead.


 49.1817, 0.3109,
0.4941


 49.1817, 0.3109,
0.4941


383.4572, 0.3162,
0.4067


 34.7636, 0.3079,
0.5169


 88.9613, 0.3140,
0.4615


 23.4809, 0.3030,
0.5463

 115.0915, 0.3148,
0.4495

 14.9490, 0.2946,
0.5854


 145.8947, 0.3154,
0.4394

 8.7836, 0.2792,
0.6388

 181.7551, 0.3157,
0.4309

 4.6003, 0.2595,
0.7405

223.0572, 0.3159,
0.4236

 2.0147, 0.1657,
0.8343

270.1853, 0.3161,

 0.6160, 0.0000,

0.4172

1.0000

323.5238, 0.3162,
0.4116

■ 0.0000, 0.0000,
0.0000

■ 49.1817, 0.3109,
0.4941

■ 49.1817, 0.3109,
0.4941

■ 47.7810, 0.3094,
0.5273

■ 50.9455, 0.3120,
0.4592

■ 46.7123, 0.3075,
0.5562

■ 53.0885, 0.3126,
0.4247

■ 45.9497, 0.3053,
0.5785

■ 55.6337, 0.3130,
0.3922

■ 45.4603, 0.3031,
0.5927

■ 58.6000, 0.3130,
0.3625

■ 45.2510, 0.3019,
0.5985

■ 62.0054, 0.3128,
0.3361

■ 65.8667, 0.3125,
0.3128

■ 70.2001, 0.3120,
0.2926

■ 73.5924, 0.3149,
0.2831

Harmonies

Analogous

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



49.1817, 0.3966, 0.4927



49.1817, 0.3109, 0.4941



49.1817, 0.2302, 0.4216

Triad

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



49.1817, 0.3109, 0.4941



49.1817, 0.1713, 0.2007



49.1817, 0.4675, 0.3122

Complementary

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



49.1817, 0.3109, 0.4941



25.2828, 0.3078, 0.1994

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.



49.1817, 0.3871, 0.2551



49.1817, 0.3109, 0.4941



49.1817, 0.2156, 0.1938

Square

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



49.1817, 0.3109, 0.4941



49.1817, 0.1581, 0.2398



49.1817, 0.2914, 0.2134



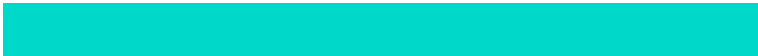
49.1817, 0.4955, 0.3763

Rectangle

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



49.1817, 0.3109, 0.4941



49.1817, 0.1907, 0.3515



49.1817, 0.2914, 0.2134



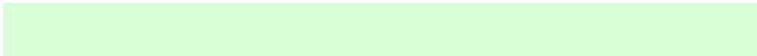
49.1817, 0.4451, 0.2920

Sweetspot

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



49.1838, 0.3109, 0.4941



91.2798, 0.3130, 0.3719



54.2233, 0.3953, 0.4449



19.3260, 0.3130, 0.3781



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.



49.1838, 0.3109, 0.4941



75.5878, 0.3092, 0.5299



49.6601, 0.2809, 0.4296



13.2572, 0.3129, 0.3529



28.2210, 0.3023, 0.5982



1.5961, 0.3092, 0.5927

Inverse Universe

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



25.2828, 0.3078, 0.1994



33.8685, 0.3058, 0.1782



24.8205, 0.3713, 0.2486



11.9518, 0.3123, 0.3060



9.6026, 0.2982, 0.1416



0.5533, 0.3026, 0.1441

Previews

White Background



This preview shows how the Yxy color 49.1817, 0.3109, 0.4941 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 49.1817, 0.3109, 0.4941 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 49.1817, 0.3109, 0.4941

Background



This preview shows how black text looks on a background with the Yxy color 49.1817, 0.3109, 0.4941.



This preview shows how white text looks on a background with the Yxy color 49.1817, 0.3109, 0.4941.

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

49.1817, 0.3109, 0.4941

Protanopia

48.4152, 0.4053, 0.4423

Deuteranopia

48.0988, 0.4182, 0.4090



Tritanopia

49.0586, 0.2567, 0.3073

Trichromacy



Original Color

49.1817, 0.3109, 0.4941



Protanomaly

47.4763, 0.3666, 0.4626



Deuteranomaly

46.8908, 0.3733, 0.4407



Tritanomaly

48.4598, 0.2770, 0.3710

Monochromacy



Original Color

49.1817, 0.3109, 0.4941



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.9906, 0.3133, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1817, 0.3109, 0.4941 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(108, 208, 98)` looks like.

```
.text, #text, p{  
    color:rgb(108, 208, 98)  
}
```

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(108, 208, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 208, 98) }
```

Border

The CSS property to change the border of an element to Yxy 49.1817, 0.3109, 0.4941 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(108, 208, 98) }
```

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

```
.border{ border-color:rgb(108, 208, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 208, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 208, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 208, 98);  
box-shadow:4px 4px 4px 4px rgb(108, 208,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1817, 0.3109, 0.4941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 208, 98) }
```

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

```
.background{ background-color: rgb(108,  
208, 98) }
```

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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