

Converting Colors

$Yxy(48.9795, 0.2967, 0.4473)$

Have a look what the booklet for
Yxy(48.9795, 0.2967, 0.4473)
contains.

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Color

Yxy(49.0806, 0.2962, 0.4471)

Conversions

Conversions Part 1

Format	Color
Hex	6FCE80
RGB	111, 206, 128
RGB Percent	44%, 81%, 50%
CMY	0.5650, 0.1921, 0.4981
CMYK	0.46, 0.00, 0.38, 0.19
HSL	131°, 49%, 62%
HSV	131°, 46%, 81%
XYZ	32.5155, 49.0806, 28.1794
YIQ	168.7030, -31.5820, -44.3980

Conversions

Conversions Part 2

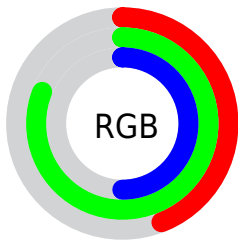
Format	Color
RYB	111, 192, 206
Decimal	7327360
CIELab	75.50, -44.71, 30.31
CIELCh	76, 54.013, 145.868
Yxy	49.0806, 0.2962, 0.4471
Android (android.graphics.Color)	4285517440 (0xFF6FCE80)
YUV	168.7030, -20.0666, -50.6055
Hunter-Lab	70.0575, -39.7543, 25.1920

Details

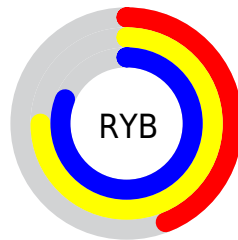
The Yxy color **49.0806, 0.2962, 0.4471** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.1478, 0.3363, 0.2348**, and the grayscale version is **39.6262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0717, 0.3006, 0.4160**, and **23.4675, 0.2883, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **47.4893, 0.2938, 0.4779**, and if you desaturate by 10%, it is **51.0582, 0.2993, 0.4173**.

Distribution



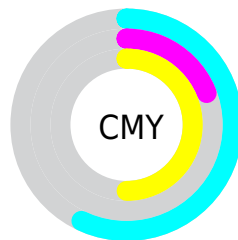
- Red (44%)
- Green (81%)
- Blue (50%)



- Red (44%)
- Yellow (75%)
- Blue (81%)



- Cyan (46%)
- Magenta (0%)
- Yellow (38%)
- Black (19%)




- Cyan (57%)
- Magenta (19%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0806, 0.2962, 0.4471 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 49.0806, 0.2962, 0.4471 by changing the saturation by 10% instead.


 49.0806, 0.2962,
0.4471


 49.0806, 0.2962,
0.4471


383.0595, 0.3065,
0.3848

 34.6834, 0.2929,
0.4636


 88.8112, 0.3005,
0.4237

 23.4191, 0.2882,
0.4852


 114.9133, 0.3019,
0.4152

 14.9033, 0.2811,
0.5147


 145.6859, 0.3031,
0.4080

 8.7515, 0.2696,
0.5570

181.5134, 0.3040,
0.4020

 4.5795, 0.2492,
0.6213

222.7801, 0.3048,
0.3968

 2.0027, 0.2123,
0.7877

269.8704, 0.3055,

 0.6090, 0.0000,

0.3922

1.0000

323.1688, 0.3061,
0.3883

■ 0.0000, 0.0000,
0.0000

■ 49.0806, 0.2962,
0.4471

■ 49.0806, 0.2962,
0.4471

■ 47.4893, 0.2938,
0.4779

■ 51.0582, 0.2993,
0.4173

■ 46.2530, 0.2923,
0.5082

■ 53.4389, 0.3028,
0.3895

■ 45.3455, 0.2920,
0.5362


■ 56.2457, 0.3066,
0.3642


■ 44.7343, 0.2929,
0.5602


■ 59.4981, 0.3104,
0.3416

■ 44.3788, 0.2949,
0.5786

■ 63.2147, 0.3141,
0.3217

 44.2832, 0.2956,
0.5842

 67.4126, 0.3177,
0.3043

 72.0829, 0.3210,
0.2892

 72.6297, 0.3150,
0.2811

Harmonies

Analogous

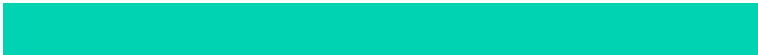
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.0806, 0.3673, 0.4649



49.0806, 0.2962, 0.4471



49.0806, 0.2333, 0.3814

Triad

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



49.0806, 0.2962, 0.4471



49.0806, 0.2027, 0.2197



49.0806, 0.4464, 0.3314

Complementary

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



49.0806, 0.2962, 0.4471



28.1478, 0.3363, 0.2348

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.



49.0806, 0.3912, 0.2803



49.0806, 0.2962, 0.4471



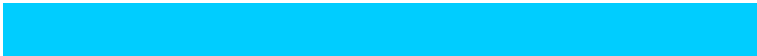
49.0806, 0.2476, 0.2189

Square

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



49.0806, 0.2962, 0.4471



49.0806, 0.1847, 0.2469



49.0806, 0.3156, 0.2406



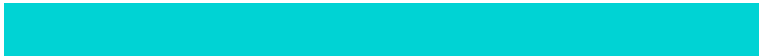
49.0806, 0.4587, 0.3865

Rectangle

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



49.0806, 0.2962, 0.4471



49.0806, 0.2042, 0.3283



49.0806, 0.3156, 0.2406



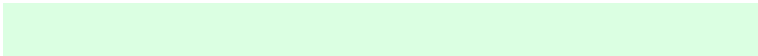
49.0806, 0.4321, 0.3136

Sweetspot

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



49.0826, 0.2962, 0.4471



92.1017, 0.3074, 0.3595



56.2643, 0.3670, 0.4468



19.4813, 0.3065, 0.3646



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.



49.0826, 0.2962, 0.4471



77.0393, 0.2939, 0.4764



50.5927, 0.2689, 0.3749



12.5693, 0.3092, 0.3486



27.2741, 0.2951, 0.5822



1.4173, 0.2855, 0.5477

Inverse Universe

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



28.1478, 0.3363, 0.2348



39.1677, 0.3426, 0.2178



26.4478, 0.3939, 0.2889



11.3678, 0.3165, 0.3102



9.8574, 0.3718, 0.1822



0.5178, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 49.0806, 0.2962, 0.4471 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 49.0806, 0.2962, 0.4471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

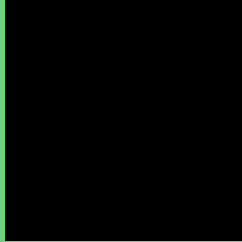
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0806, 0.2962, 0.4471

Background



This preview shows how black text looks on a background with the Yxy color 49.0806, 0.2962, 0.4471.



This preview shows how white text looks on a background with the Yxy color 49.0806, 0.2962, 0.4471.

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

49.0806, 0.2962, 0.4471

Protanopia

48.4473, 0.3805, 0.4118

Deuteranopia

48.2536, 0.3877, 0.3794



Tritanopia

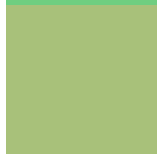
48.9791, 0.2561, 0.3073

Trichromacy



Original Color

49.0806, 0.2962, 0.4471



Protanomaly

47.8699, 0.3452, 0.4266



Deuteranomaly

47.3357, 0.3498, 0.4042



Tritanomaly

48.8557, 0.2709, 0.3561

Monochromacy



Original Color

49.0806, 0.2962, 0.4471



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.0849, 0.3058, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0806, 0.2962, 0.4471 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(111, 206, 128)` looks like.

```
.text, #text, p{  
    color:rgb(111, 206, 128)  
}
```

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(111, 206, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 206, 128) }
```

Border

The CSS property to change the border of an element to Yxy 49.0806, 0.2962, 0.4471 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(111, 206, 128) }
```

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

```
.border{ border-color:rgb(111, 206, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 206, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 206, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 206, 128); box-shadow:4px 4px 4px 4px rgb(111, 206, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0806, 0.2962, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 206, 128) }
```

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

```
.background{ background-color: rgb(111,  
206, 128) }
```

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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