

Converting Colors

$Yxy(49.2076, 0.3059, 0.4697)$

Have a look what the booklet for
Yxy(49.2076, 0.3059, 0.4697)
contains.

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Color

Yxy(49.3286, 0.3061, 0.4703)

Conversions

Conversions Part 1

Format	Color
Hex	71CF71
RGB	113, 207, 113
RGB Percent	44%, 81%, 44%
CMY	0.5568, 0.1882, 0.5568
CMYK	0.45, 0.00, 0.45, 0.19
HSL	120°, 49%, 63%
HSV	120°, 45%, 81%
XYZ	32.1061, 49.3286, 23.4528
YIQ	168.1780, -25.8500, -49.1620

Conversions

Conversions Part 2

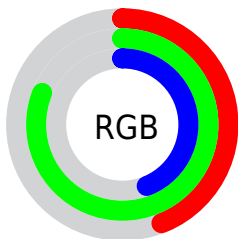
Format	Color
RYB	113, 207, 207
Decimal	7458673
CIELab	75.66, -46.85, 38.14
CIElCh	76, 60.408, 140.850
Yxy	49.3286, 0.3061, 0.4703
Android (android.graphics.Color)	4285648753 (0xFF71CF71)
YUV	168.1780, -27.2028, -48.3911
Hunter-Lab	70.2343, -41.3127, 29.3657

Details

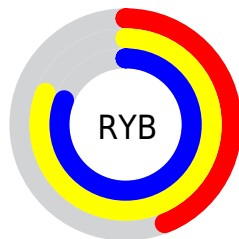
The Yxy color **49.3286, 0.3061, 0.4703** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.5790, 0.3178, 0.2192**, and the grayscale version is **39.3997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8192, 0.3101, 0.4337**, and **23.6276, 0.2987, 0.5151** is the 20% darker color. If you saturate the color by 10%, you get **47.6963, 0.3044, 0.5058**, and if you desaturate by 10%, it is **51.3844, 0.3078, 0.4347**.

Distribution



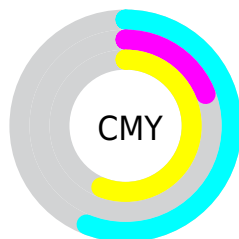
- Red (44%)
- Green (81%)
- Blue (44%)



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



- Cyan (45%)
- Magenta (0%)
- Yellow (45%)
- Black (19%)




- Cyan (56%)
- Magenta (19%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3286, 0.3061, 0.4703 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 49.3286, 0.3061, 0.4703 by changing the saturation by 10% instead.

 49.3286, 0.3061,
0.4703

 49.3286, 0.3061,
0.4703


384.0345, 0.3125,
0.3957


 34.8802, 0.3034,
0.4899


 89.1793, 0.3092,
0.4424

 23.5706, 0.2991,
0.5155


 115.3504, 0.3102,
0.4321

 15.0154, 0.2922,
0.5500


 146.1979, 0.3109,
0.4235

 8.8302, 0.2799,
0.5983

182.1061, 0.3114,
0.4163

 4.6306, 0.2600,
0.6776

223.4595, 0.3118,
0.4100

 2.0322, 0.1986,
0.8014

270.6424, 0.3121,

 0.6261, 0.0000,

0.4046

1.0000

324.0393, 0.3123,
0.3999

0.0000, 0.0000,
0.0000

49.3286, 0.3061,
0.4703

49.3286, 0.3061,
0.4703

47.6963, 0.3044,
0.5058

51.3844, 0.3078,
0.4347

46.4523, 0.3029,
0.5388

53.8835, 0.3094,
0.4008

45.5663, 0.3016,
0.5662


56.8521, 0.3108,
0.3699


45.0003, 0.3007,
0.5859


60.3126, 0.3121,
0.3424

44.7083, 0.3002,
0.5968

64.2857, 0.3132,
0.3184

 44.6261, 0.3000,
0.6000

 68.7911, 0.3142,
0.2976

 73.1058, 0.3149,
0.2821

Harmonies

Analogous

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



49.3286, 0.3840, 0.4778



49.3286, 0.3061, 0.4703



49.3286, 0.2342, 0.4026

Triad

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



49.3286, 0.3061, 0.4703



49.3286, 0.1867, 0.2115



49.3286, 0.4546, 0.3204

Complementary

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



49.3286, 0.3061, 0.4703



29.5790, 0.3178, 0.2192

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.



49.3286, 0.3866, 0.2667



49.3286, 0.3061, 0.4703



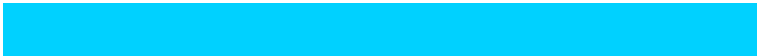
49.3286, 0.2304, 0.2068

Square

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



49.3286, 0.3061, 0.4703



49.3286, 0.1721, 0.2455



49.3286, 0.3014, 0.2266



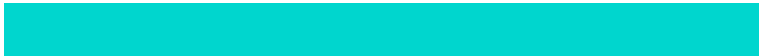
49.3286, 0.4761, 0.3799

Rectangle

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



49.3286, 0.3061, 0.4703



49.3286, 0.1995, 0.3419



49.3286, 0.3014, 0.2266



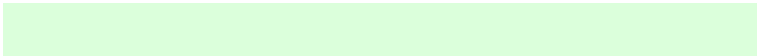
49.3286, 0.4361, 0.3015

Sweetspot

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



49.3307, 0.3061, 0.4703



91.7582, 0.3110, 0.3663



58.3283, 0.3803, 0.4379



19.3989, 0.3107, 0.3727



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.



49.3307, 0.3061, 0.4703



76.6163, 0.3046, 0.5032



50.6206, 0.2795, 0.4005



13.2064, 0.3116, 0.3530



28.1164, 0.3000, 0.6000



1.5721, 0.3000, 0.6000

Inverse Universe

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



29.5790, 0.3178, 0.2192



41.2668, 0.3187, 0.2003



27.6703, 0.3697, 0.2684



12.0089, 0.3138, 0.3061



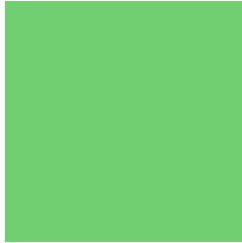
11.1921, 0.3209, 0.1541



0.6258, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 49.3286, 0.3061, 0.4703 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 49.3286, 0.3061, 0.4703 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 49.3286, 0.3061, 0.4703

Background



This preview shows how black text looks on a background with the Yxy color 49.3286, 0.3061, 0.4703.



This preview shows how white text looks on a background with the Yxy color 49.3286, 0.3061, 0.4703.

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

49.3286, 0.3061, 0.4703

Protanopia

48.4144, 0.3930, 0.4273

Deuteranopia

48.4883, 0.4043, 0.3957



Tritanopia

49.2199, 0.2579, 0.3074

Trichromacy



Original Color

49.3286, 0.3061, 0.4703



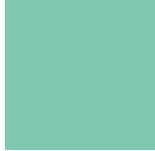
Protanomaly

47.7687, 0.3568, 0.4443



Deuteranomaly

47.3181, 0.3641, 0.4230



Tritanomaly

48.8788, 0.2757, 0.3633

Monochromacy



Original Color

49.3286, 0.3061, 0.4703



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.8899, 0.3104, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3286, 0.3061, 0.4703 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(113, 207, 113)` looks like.

```
.text, #text, p{  
    color:rgb(113, 207, 113)  
}
```

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(113, 207, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 207, 113) }
```

Border

The CSS property to change the border of an element to Yxy 49.3286, 0.3061, 0.4703 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(113, 207, 113) }
```

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

```
.border{ border-color:rgb(113, 207, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 207, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 207, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 207, 113);  
box-shadow:4px 4px 4px 4px rgb(113, 207,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3286, 0.3061, 0.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 207, 113) }
```

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

```
.background{ background-color: rgb(113,  
207, 113) }
```

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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