

Converting Colors

$Yxy(47.7575, 0.3049, 0.4678)$

Have a look what the booklet for
Yxy(47.7575, 0.3049, 0.4678)
contains.

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Color

Yxy(47.7575, 0.3049, 0.4678)

Conversions

Conversions Part 1

Format	Color
Hex	6FCC71
RGB	111, 204, 113
RGB Percent	44%, 80%, 44%
CMY	0.5648, 0.2000, 0.5568
CMYK	0.46, 0.00, 0.45, 0.20
HSL	121°, 48%, 62%
HSV	121°, 46%, 80%
XYZ	31.1271, 47.7575, 23.2050
YIQ	165.8190, -26.2170, -48.0170

Conversions

Conversions Part 2

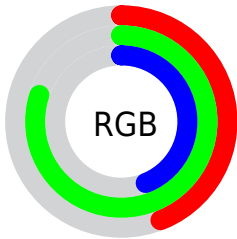
Format	Color
RYB	111, 202, 204
Decimal	7326833
CIELab	74.67, -46.18, 36.87
CIELCh	75, 59.093, 141.401
Yxy	47.7575, 0.3049, 0.4678
Android (android.graphics.Color)	4285516913 (0xFF6FCC71)
YUV	165.8190, -26.0398, -48.0763
Hunter-Lab	69.1068, -40.5369, 28.4661

Details

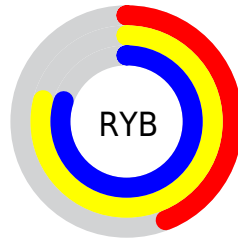
The Yxy color **47.7575, 0.3049, 0.4678** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.4637, 0.3200, 0.2209**, and the grayscale version is **38.1773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4887, 0.3083, 0.4342**, and **22.6107, 0.2973, 0.5127** is the 20% darker color. If you saturate the color by 10%, you get **46.1830, 0.3032, 0.5028**, and if you desaturate by 10%, it is **49.7369, 0.3067, 0.4329**.

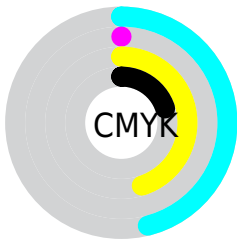
Distribution



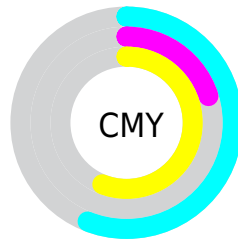
- Red (44%)
- Green (80%)
- Blue (44%)



- Red (44%)
- Yellow (79%)
- Blue (80%)



- Cyan (46%)
- Magenta (0%)
- Yellow (45%)
- Black (20%)





- Cyan (56%)
- Magenta (20%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7575, 0.3049, 0.4678 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 47.7575, 0.3049, 0.4678 by changing the saturation by 10% instead.


 47.7575, 0.3049,
0.4678


 47.7575, 0.3049,
0.4678


377.8301, 0.3118,
0.3941

 33.6349, 0.3021,
0.4873


 86.8432, 0.3082,
0.4401

 22.6133, 0.2977,
0.5129


 112.5751, 0.3092,
0.4300

 14.3082, 0.2905,
0.5476


 142.9456, 0.3100,
0.4215

 8.3353, 0.2780,
0.5965

178.3390, 0.3105,
0.4144

 4.3103, 0.2581,
0.6794

219.1398, 0.3110,
0.4082

 1.8486, 0.1838,
0.8162

265.7323, 0.3113,

 0.5172, 0.0000,

0.4029

1.0000

318.5009, 0.3116,
0.3982

0.0000, 0.0000,
0.0000

47.7575, 0.3049,
0.4678

47.7575, 0.3049,
0.4678

46.1830, 0.3032,
0.5028

49.7369, 0.3067,
0.4329

44.9801, 0.3017,
0.5355

52.1401, 0.3086,
0.3998

44.1199, 0.3006,
0.5633


54.9918, 0.3103,
0.3695

43.5667, 0.3000,
0.5837

58.3134, 0.3119,
0.3426


43.2767, 0.2998,
0.5957

62.1245, 0.3133,
0.3191

 43.1989, 0.2997,
0.5988

 66.4441, 0.3146,
0.2987

 71.2897, 0.3158,
0.2812

 71.6691, 0.3151,
0.2792

Harmonies

Analogous

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



47.7575, 0.3821, 0.4766



47.7575, 0.3049, 0.4678



47.7575, 0.2340, 0.4001

Triad

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



47.7575, 0.3049, 0.4678



47.7575, 0.1884, 0.2123



47.7575, 0.4539, 0.3217

Complementary

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



47.7575, 0.3049, 0.4678



28.4637, 0.3200, 0.2209

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.



47.7575, 0.3873, 0.2683



47.7575, 0.3049, 0.4678



47.7575, 0.2323, 0.2080

Square

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



47.7575, 0.3049, 0.4678



47.7575, 0.1734, 0.2455



47.7575, 0.3031, 0.2281



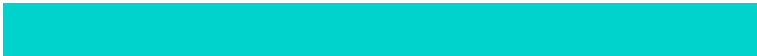
47.7575, 0.4743, 0.3807

Rectangle

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



47.7575, 0.3049, 0.4678



47.7575, 0.1999, 0.3403



47.7575, 0.3031, 0.2281



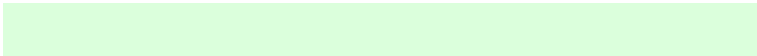
47.7575, 0.4358, 0.3029

Sweetspot

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



47.7595, 0.3049, 0.4678



91.7985, 0.3105, 0.3655



56.9565, 0.3784, 0.4403



19.4086, 0.3102, 0.3717



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.



47.7595, 0.3049, 0.4678



76.4520, 0.3032, 0.5032



49.0714, 0.2776, 0.3959



12.5409, 0.3113, 0.3524



27.1896, 0.2996, 0.5984



1.4041, 0.2981, 0.5930

Inverse Universe

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



28.4637, 0.3200, 0.2209



40.4875, 0.3216, 0.2006



26.5995, 0.3740, 0.2719



11.3993, 0.3141, 0.3067



10.6924, 0.3264, 0.1572



0.5530, 0.3253, 0.1566

Previews

White Background



This preview shows how the Yxy color 47.7575, 0.3049, 0.4678 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 47.7575, 0.3049, 0.4678 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 47.7575, 0.3049, 0.4678

Background



This preview shows how black text looks on a background with the Yxy color 47.7575, 0.3049, 0.4678.



This preview shows how white text looks on a background with the Yxy color 47.7575, 0.3049, 0.4678.

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

47.7575, 0.3049, 0.4678

Protanopia

47.1663, 0.3913, 0.4262

Deuteranopia

47.0761, 0.4017, 0.3945



Tritanopia

47.5687, 0.2578, 0.3071

Trichromacy



Original Color

47.7575, 0.3049, 0.4678



Protanomaly

46.6691, 0.3557, 0.4429



Deuteranomaly

46.1055, 0.3621, 0.4217



Tritanomaly

47.2736, 0.2753, 0.3623

Monochromacy



Original Color

47.7575, 0.3049, 0.4678



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.8601, 0.3096, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7575, 0.3049, 0.4678 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, 204, 113)` looks like.

```
.text, #text, p{  
    color:rgb(111, 204, 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(111, 204, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 204, 113) }
```

Border

The CSS property to change the border of an element to Yxy 47.7575, 0.3049, 0.4678 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, 204, 113) }
```

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

```
.border{ border-color:rgb(111, 204, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 204, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 204, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 204, 113);  
box-shadow:4px 4px 4px 4px rgb(111, 204,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7575, 0.3049, 0.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 204, 113) }
```

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

```
.background{ background-color: rgb(111,  
204, 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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