

Converting Colors

$Yxy(57.0007, 0.3107, 0.4707)$

Have a look what the booklet for
Yxy(57.0007, 0.3107, 0.4707)
contains.

Yxy(57.0303, 0.3109, 0.4706)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(57.0303, 0.3109, 0.4706)

Conversions

Conversions Part 1

Format	Color
Hex	7FDC77
RGB	127, 220, 119
RGB Percent	50%, 86%, 47%
CMY	0.5019, 0.1372, 0.5333
CMYK	0.42, 0.00, 0.46, 0.14
HSL	115°, 59%, 66%
HSV	115°, 46%, 86%
XYZ	37.6768, 57.0303, 26.4792
YIQ	180.6790, -23.0070, -51.1270

Conversions

Conversions Part 2

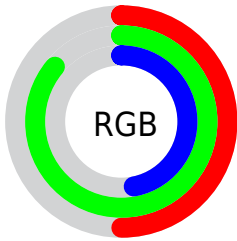
Format	Color
RYB	119, 220, 212
Decimal	8379511
CIELab	80.20, -47.35, 41.02
CIELCh	80, 62.643, 139.095
Yxy	57.0303, 0.3109, 0.4706
Android (android.graphics.Color)	4286569591 (0xFF7FDC77)
YUV	180.6790, -30.4077, -47.0765
Hunter-Lab	75.5184, -43.1019, 32.0739

Details

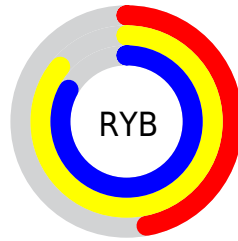
The Yxy color **57.0303, 0.3109, 0.4706** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **32.3636, 0.3100, 0.2150**, and the grayscale version is **46.2053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7275, 0.3148, 0.4229**, and **28.2704, 0.3054, 0.5126** is the 20% darker color. If you saturate the color by 10%, you get **55.1614, 0.3096, 0.5055**, and if you desaturate by 10%, it is **59.3391, 0.3118, 0.4355**.

Distribution



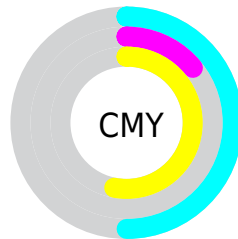
- Red (50%)
- Green (86%)
- Blue (47%)



- Red (47%)
- Yellow (86%)
- Blue (83%)



- Cyan (42%)
- Magenta (0%)
- Yellow (46%)
- Black (14%)





- Cyan (50%)
- Magenta (14%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0303, 0.3109, 0.4706 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 57.0303, 0.3109, 0.4706 by changing the saturation by 10% instead.


 57.0303, 0.3109,
0.4706

 57.0303, 0.3109,
0.4706


413.5628, 0.3150,
0.3977

 41.0296, 0.3088,
0.4891

 100.5094, 0.3132,
0.4438

 28.3422, 0.3055,
0.5128


 128.7566, 0.3138,
0.4338

 18.5838, 0.3001,
0.5441


 161.8546, 0.3142,
0.4254

 11.3699, 0.2905,
0.5869

200.1881, 0.3145,
0.4182

 6.3162, 0.2728,
0.6480

244.1412, 0.3147,
0.4120

 3.0383, 0.2431,
0.7569

294.0984, 0.3148,

 1.1518, 0.0000,

0.4066

1.0000

350.4442, 0.3149,
0.4019

■ 0.0218, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.0303, 0.3109,
0.4706

■ 57.0303, 0.3109,
0.4706

■ 55.1614, 0.3096,
0.5055

■ 59.3391, 0.3118,
0.4355

■ 53.6977, 0.3079,
0.5378


■ 62.1057, 0.3124,
0.4021

■ 52.6112, 0.3060,
0.5649


■ 65.3554, 0.3127,
0.3713


■ 51.8669, 0.3040,
0.5846

■ 69.1100, 0.3128,
0.3437

 51.4233, 0.3020,
0.5959

 73.3897, 0.3127,
0.3194

 51.3107, 0.3015,
0.5988

 78.2135, 0.3124,
0.2983

 79.6677, 0.3143,
0.2950

Harmonies

Analogous

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



57.0303, 0.3877, 0.4748



57.0303, 0.3109, 0.4706



57.0303, 0.2388, 0.4067

Triad

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



57.0303, 0.3109, 0.4706



57.0303, 0.1863, 0.2138



57.0303, 0.4501, 0.3173

Complementary

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



57.0303, 0.3109, 0.4706



32.3636, 0.3100, 0.2150

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.



57.0303, 0.3809, 0.2646



57.0303, 0.3109, 0.4706



57.0303, 0.2280, 0.2075

Square

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



57.0303, 0.3109, 0.4706



57.0303, 0.1735, 0.2495



57.0303, 0.2969, 0.2259



57.0303, 0.4745, 0.3761

Rectangle

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



57.0303, 0.3109, 0.4706



57.0303, 0.2032, 0.3471



57.0303, 0.2969, 0.2259



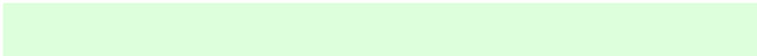
57.0303, 0.4309, 0.2987

Sweetspot

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



57.0327, 0.3109, 0.4706



92.1997, 0.3127, 0.3661



63.4291, 0.3843, 0.4331



19.5046, 0.3127, 0.3724



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.



57.0327, 0.3109, 0.4706



77.1762, 0.3097, 0.5040



57.6874, 0.2829, 0.4116



14.6552, 0.3128, 0.3531



30.1319, 0.3019, 0.5985



1.9696, 0.3073, 0.5942

Inverse Universe

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



32.3636, 0.3100, 0.2150



38.6399, 0.3088, 0.1943



31.6249, 0.3629, 0.2600



13.2197, 0.3125, 0.3059



10.4730, 0.3012, 0.1433



0.6944, 0.3046, 0.1452

Previews

White Background



This preview shows how the Yxy color 57.0303, 0.3109, 0.4706 looks on a white background.

Color Contrast Check

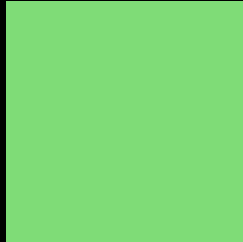
Large Text (above 18pt) WCAG AA × Fail

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 57.0303, 0.3109, 0.4706 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 57.0303, 0.3109, 0.4706

Background



This preview shows how black text looks on a background with the Yxy color 57.0303, 0.3109, 0.4706.



This preview shows how white text looks on a background with the Yxy color 57.0303, 0.3109, 0.4706.

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

57.0303, 0.3109, 0.4706

Protanopia

56.2876, 0.3941, 0.4292

Deuteranopia

56.0787, 0.4063, 0.3981



Tritanopia

56.8439, 0.2616, 0.3075

Trichromacy



Original Color

57.0303, 0.3109, 0.4706



Protanomaly

55.5479, 0.3599, 0.4455



Deuteranomaly

54.7444, 0.3682, 0.4242



Tritanomaly

56.2076, 0.2798, 0.3639

Monochromacy



Original Color

57.0303, 0.3109, 0.4706



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.0759, 0.3127, 0.3800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0303, 0.3109, 0.4706 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(127, 220, 119)` looks like.

```
.text, #text, p{  
    color:rgb(127, 220, 119)  
}
```

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(127, 220, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 220, 119) }
```

Border

The CSS property to change the border of an element to Yxy 57.0303, 0.3109, 0.4706 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(127, 220, 119) }
```

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

```
.border{ border-color:rgb(127, 220, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 220, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 220, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 220, 119); box-shadow:4px 4px 4px 4px rgb(127, 220, 119) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0303, 0.3109, 0.4706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 220, 119) }
```

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

```
.background{ background-color: rgb(127,  
220, 119) }
```

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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