

# Converting Colors

$Y_{xy}(57.2812, 0.3209, 0.4732)$

Have a look what the booklet for  
Yxy(57.2812, 0.3209, 0.4732)  
contains.

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# Color

**Yxy(57.2812, 0.3209, 0.4732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8ADB72
RGB	138, 219, 114
RGB Percent	54%, 86%, 45%
CMY	0.4590, 0.1411, 0.5530
CMYK	0.37, 0.00, 0.48, 0.14
HSL	106°, 59%, 65%
HSV	106°, 48%, 86%
XYZ	38.8452, 57.2812, 24.9243
YIQ	182.8110, -14.5710, -49.8270

# Conversions

## Conversions Part 2

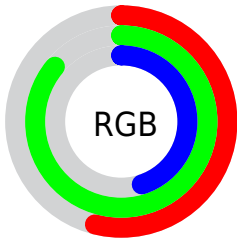
Format	Color
<a href="#">RYB</a>	<a href="#">114, 219, 195</a>
Decimal	<a href="#">9100146</a>
CIELab	<a href="#">80.34, -44.19, 43.75</a>
CIElCh	<a href="#">80, 62.190, 135.287</a>
Yxy	<a href="#">57.2812, 0.3209, 0.4732</a>
Android (android.graphics.Color)	<a href="#">4287290226 (0xFF8ADB72)</a>
YUV	<a href="#">182.8110, -33.9238, -39.2992</a>
Hunter-Lab	<a href="#">75.6843, -40.8320, 33.4537</a>

# Details

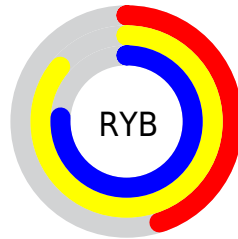
The Yxy color **57.2812, 0.3209, 0.4732** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **28.7536, 0.2941, 0.2047**, and the grayscale version is **47.4368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9493, 0.3243, 0.4266**, and **28.3923, 0.3181, 0.5142** is the 20% darker color. If you saturate the color by 10%, you get **55.5125, 0.3206, 0.5061**, and if you desaturate by 10%, it is **59.3985, 0.3202, 0.4397**.

# Distribution



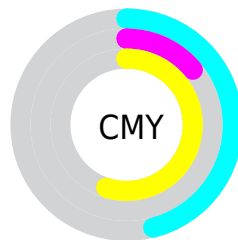
- Red (54%)
- Green (86%)
- Blue (45%)



- Red (45%)
- Yellow (86%)
- Blue (76%)



- Cyan (37%)
- Magenta (0%)
- Yellow (48%)
- Black (14%)




- Cyan (46%)
- Magenta (14%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2812, 0.3209, 0.4732 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 57.2812, 0.3209, 0.4732 by changing the saturation by 10% instead.




 57.2812, 0.3209,  
0.4732

 57.2812, 0.3209,  
0.4732

414.5022, 0.3203,  
0.3994

 41.2310, 0.3198,  
0.4917


 100.8754, 0.3216,  
0.4462

 28.4997, 0.3178,  
0.5153


 129.1882, 0.3216,  
0.4361

 18.7027, 0.3137,  
0.5462


 162.3574, 0.3214,  
0.4276

 11.4556, 0.3059,  
0.5879

200.7673, 0.3213,  
0.4203

 6.3742, 0.2910,  
0.6482

244.8023, 0.3210,  
0.4140

 3.0739, 0.2601,  
0.7399

294.8469, 0.3208,

 1.1704, 0.0075,

0.4085

0.9925

351.2854, 0.3206,  
0.4037

■ 0.0374, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.2812, 0.3209,  
0.4732

■ 57.2812, 0.3209,  
0.4732

■ 55.5125, 0.3206,  
0.5061

■ 59.3985, 0.3202,  
0.4397

■ 54.0661, 0.3192,  
0.5363


■ 61.8744, 0.3188,  
0.4072


■ 52.9233, 0.3166,  
0.5617


■ 64.7278, 0.3169,  
0.3767

■ 52.0605, 0.3130,  
0.5803


■ 67.9739, 0.3146,  
0.3490

 51.4479, 0.3088,  
0.5917

 71.6270, 0.3122,  
0.3242

 51.3468, 0.3081,  
0.5936

 75.7007, 0.3097,  
0.3022

 79.1486, 0.3144,  
0.2940

# Harmonies

## Analogous

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



57.2812, 0.3961, 0.4703



57.2812, 0.3209, 0.4732



57.2812, 0.2475, 0.4165

# Triad

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



57.2812, 0.3209, 0.4732



57.2812, 0.1840, 0.2175



57.2812, 0.4422, 0.3104

# Complementary

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



57.2812, 0.3209, 0.4732



28.7536, 0.2941, 0.2047

# 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.



57.2812, 0.3699, 0.2593



57.2812, 0.3209, 0.4732



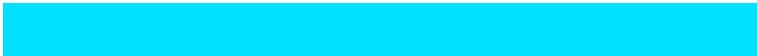
57.2812, 0.2218, 0.2077

# Square

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



57.2812, 0.3209, 0.4732



57.2812, 0.1749, 0.2571



57.2812, 0.2872, 0.2231



57.2812, 0.4730, 0.3684



# Rectangle

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



57.2812, 0.3209, 0.4732



57.2812, 0.2098, 0.3583



57.2812, 0.2872, 0.2231



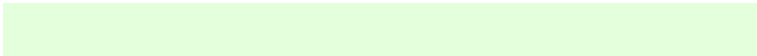
57.2812, 0.4214, 0.2922

# Sweetspot

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



57.2836, 0.3209, 0.4732



93.0546, 0.3161, 0.3658



55.0853, 0.3956, 0.4219



19.7100, 0.3165, 0.3719



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.



57.2836, 0.3209, 0.4732



78.2347, 0.3205, 0.5078



56.1981, 0.2907, 0.4396



14.7489, 0.3150, 0.3529



30.4837, 0.3089, 0.5929



2.0138, 0.3202, 0.5839



# Inverse Universe

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



28.7536, 0.2941, 0.2047



33.1649, 0.2883, 0.1797



30.8556, 0.3477, 0.2403



13.1172, 0.3102, 0.3057



8.0854, 0.2640, 0.1228



0.5612, 0.2737, 0.1281



# Previews

## White Background



This preview shows how the Yxy color 57.2812, 0.3209, 0.4732 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 57.2812, 0.3209, 0.4732 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

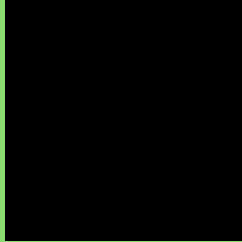
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.2812, 0.3209, 0.4732**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2812, 0.3209, 0.4732.



This preview shows how white text looks on a background with the Yxy color 57.2812, 0.3209, 0.4732.

# 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

57.2812, 0.3209, 0.4732

### Protanopia

56.3551, 0.3976, 0.4329

### Deuteranopia

56.3009, 0.4119, 0.4027



## Tritanopia

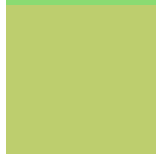
57.1215, 0.2679, 0.3090

## Trichromacy



### Original Color

57.2812, 0.3209, 0.4732



### Protanomaly

56.0872, 0.3666, 0.4483



### Deuteranomaly

55.3131, 0.3760, 0.4284



### Tritanomaly

56.4915, 0.2879, 0.3662

## Monochromacy



### Original Color

57.2812, 0.3209, 0.4732



### Achromatopsia

47.3531, 0.3127, 0.3290



### Achromatomaly

50.1640, 0.3174, 0.3805

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.2812, 0.3209, 0.4732 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(138, 219, 114)` looks like.

```
.text, #text, p{  
    color:rgb(138, 219, 114)  
}
```

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(138, 219, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 219, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2812, 0.3209, 0.4732 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(138, 219, 114) }
```

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

```
.border{ border-color:rgb(138, 219, 114) }
```

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

Here you see how a box with a 4 pixel rgb(138, 219, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 219, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 219, 114);  
box-shadow:4px 4px 4px 4px rgb(138, 219,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2812, 0.3209, 0.4732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 219, 114) }
```

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

```
.background{ background-color: rgb(138,  
219, 114) }
```

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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