

# Converting Colors

$Yxy(62.5808, 0.2989, 0.4475)$

Have a look what the booklet for  
Yxy(62.5808, 0.2989, 0.4475)  
contains.

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# Color

**Yxy(62.5808, 0.2989, 0.4475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80E58E
RGB	128, 229, 142
RGB Percent	50%, 90%, 56%
CMY	0.4982, 0.1019, 0.4432
CMYK	0.44, 0.00, 0.38, 0.10
HSL	128°, 66%, 70%
HSV	128°, 44%, 90%
XYZ	41.7998, 62.5808, 35.4648
YIQ	188.8830, -32.2690, -48.4690

# Conversions

## Conversions Part 2

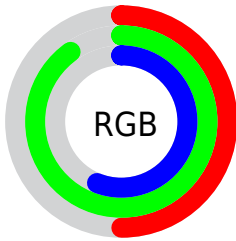
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 217, 229
Decimal	8447374
CIELab	83.22, -47.45, 33.46
CIELCh	83, 58.060, 144.805
Yxy	62.5808, 0.2989, 0.4475
Android (android.graphics.Color)	4286637454 (0xFF80E58E)
YUV	188.8830, -23.1133, -53.3944
Hunter-Lab	79.1080, -44.1217, 28.7954

# Details

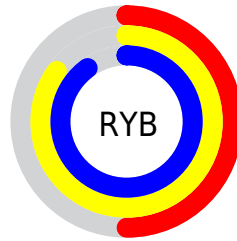
The Yxy color **62.5808, 0.2989, 0.4475** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.9949, 0.3311, 0.2342**, and the grayscale version is **50.9637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8198, 0.3031, 0.3957**, and **31.9821, 0.2924, 0.4812** is the 20% darker color. If you saturate the color by 10%, you get **60.4631, 0.2966, 0.4797**, and if you desaturate by 10%, it is **65.2092, 0.3017, 0.4164**.

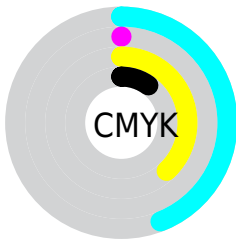
# Distribution



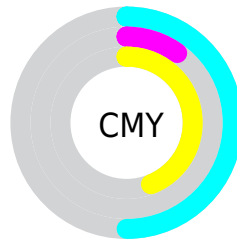
- Red (50%)
- Green (90%)
- Blue (56%)



- Red (50%)
- Yellow (85%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (38%)
- Black (10%)



- Cyan (50%)
- Magenta (10%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5808, 0.2989, 0.4475 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 62.5808, 0.2989, 0.4475 by changing the saturation by 10% instead.




 62.5808, 0.2989,  
0.4475

 62.5808, 0.2989,  
0.4475


434.0465, 0.3077,  
0.3874


 45.5022, 0.2962,  
0.4626


 108.5645, 0.3025,  
0.4256

 31.8531, 0.2924,  
0.4818


 138.2384, 0.3037,  
0.4174

 21.2494, 0.2868,  
0.5073


 172.8794, 0.3047,  
0.4104

 13.3064, 0.2782,  
0.5424

212.8721, 0.3055,  
0.4045

 7.6399, 0.2637,  
0.5929

258.6007, 0.3062,  
0.3994

 3.8654, 0.2402,  
0.6790

310.4497, 0.3068,

 1.5985, 0.1272,

0.3949

0.8728

368.8035, 0.3072,  
0.3909

■ 0.3566, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.5808, 0.2989,  
0.4475

■ 62.5808, 0.2989,  
0.4475

■ 60.4631, 0.2966,  
0.4797

■ 65.2092, 0.3017,  
0.4164

■ 58.8154, 0.2951,  
0.5113


■ 68.3703, 0.3049,  
0.3874


■ 57.6037, 0.2945,  
0.5403


■ 72.0944, 0.3082,  
0.3611


■ 56.7856, 0.2950,  
0.5647

■ 76.4069, 0.3114,  
0.3378

 56.3102, 0.2964,  
0.5827

 81.3321, 0.3145,  
0.3173

 56.1470, 0.2973,  
0.5902

 84.5238, 0.3139,  
0.3039

# Harmonies

## Analogous

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



62.5808, 0.3694, 0.4634



62.5808, 0.2989, 0.4475



62.5808, 0.2359, 0.3837

# Triad

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



62.5808, 0.2989, 0.4475



62.5808, 0.2024, 0.2210



62.5808, 0.4440, 0.3296

# Complementary

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



62.5808, 0.2989, 0.4475



36.9949, 0.3311, 0.2342

# 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.



62.5808, 0.3881, 0.2791



62.5808, 0.2989, 0.4475



62.5808, 0.2462, 0.2193

# Square

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



62.5808, 0.2989, 0.4475



62.5808, 0.1855, 0.2492



62.5808, 0.3130, 0.2401



62.5808, 0.4578, 0.3843



# Rectangle

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



62.5808, 0.2989, 0.4475



62.5808, 0.2063, 0.3311



62.5808, 0.3130, 0.2401



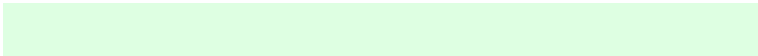
62.5808, 0.4293, 0.3120

# Sweetspot

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



62.5834, 0.2989, 0.4475



92.5418, 0.3085, 0.3585



72.1300, 0.3678, 0.4414



19.5645, 0.3078, 0.3640



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.



62.5834, 0.2989, 0.4475



77.3551, 0.2968, 0.4771



64.4346, 0.2720, 0.3775



16.1216, 0.3097, 0.3499



32.1094, 0.2968, 0.5886



2.3832, 0.2908, 0.5668



# Inverse Universe

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



36.9949, 0.3311, 0.2342



40.7268, 0.3359, 0.2167



34.8068, 0.3854, 0.2865



14.5790, 0.3159, 0.3090



11.8480, 0.3593, 0.1753

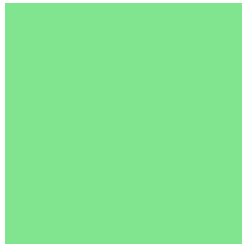


0.8851, 0.3528, 0.1717



# Previews

## White Background



This preview shows how the Yxy color 62.5808, 0.2989, 0.4475 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 62.5808, 0.2989, 0.4475 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 62.5808, 0.2989, 0.4475**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5808, 0.2989, 0.4475.



This preview shows how white text looks on a background with the Yxy color 62.5808, 0.2989, 0.4475.

# 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

62.5808, 0.2989, 0.4475

### Protanopia

61.6834, 0.3808, 0.4117

### Deuteranopia

61.3355, 0.3894, 0.3810



## Tritanopia

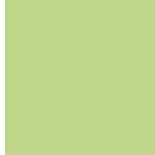
62.4369, 0.2580, 0.3082

# Trichromacy



## Original Color

62.5808, 0.2989, 0.4475



## Protanomaly

60.6895, 0.3470, 0.4257



## Deuteranomaly

60.2328, 0.3522, 0.4052



## Tritanomaly

62.1223, 0.2730, 0.3560

# Monochromacy



## Original Color

62.5808, 0.2989, 0.4475



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

54.3798, 0.3070, 0.3712

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5808, 0.2989, 0.4475 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(128, 229, 142)` looks like.

```
.text, #text, p{  
    color:rgb(128, 229, 142)  
}
```

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(128, 229, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 229, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5808, 0.2989, 0.4475 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(128, 229, 142) }
```

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

```
.border{ border-color:rgb(128, 229, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 229, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 229, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 229, 142);  
box-shadow:4px 4px 4px 4px rgb(128, 229,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5808, 0.2989, 0.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 229, 142) }
```

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

```
.background{ background-color: rgb(128,  
229, 142) }
```

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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