

# Converting Colors

Yxy(64.4829, 0.2977, 0.4272)

Have a look what the booklet for  
Yxy(64.4829, 0.2977, 0.4272)  
contains.

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# Color

**Yxy(64.4829, 0.2977, 0.4272)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 8BE69C                       |
| RGB         | 139, 230, 156                |
| RGB Percent | 55%, 90%, 61%                |
| CMY         | 0.4552, 0.0980, 0.3883       |
| CMYK        | 0.40, 0.00, 0.32, 0.10       |
| HSL         | 131°, 65%, 72%               |
| HSV         | 131°, 40%, 90%               |
| XYZ         | 44.9358, 64.4829, 41.5245    |
| YIQ         | 194.3550, -30.4820, -42.3060 |

# Conversions

## Conversions Part 2

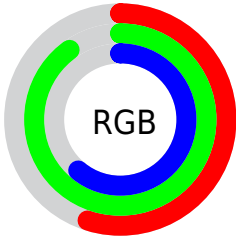
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">139, 216, 230</a>                |
| Decimal                             | <a href="#">9168540</a>                      |
| CIELab                              | <a href="#">84.22, -42.46, 27.75</a>         |
| CIElCh                              | <a href="#">84, 50.720, 146.830</a>          |
| Yxy                                 | <a href="#">64.4829, 0.2977, 0.4272</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4287358620<br/>(0xFF8BE69C)</a>  |
| YUV                                 | <a href="#">194.3550, -18.9090, -48.5463</a> |
| Hunter-Lab                          | <a href="#">80.3012, -40.6404, 25.5515</a>   |

# Details

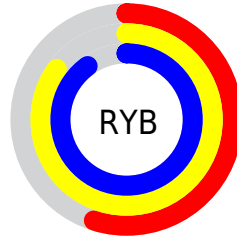
The Yxy color **64.4829, 0.2977, 0.4272** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.0739, 0.3330, 0.2477**, and the grayscale version is **54.2898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9589, 0.3015, 0.3773**, and **33.1564, 0.2924, 0.4553** is the 20% darker color. If you saturate the color by 10%, you get **62.1253, 0.2947, 0.4574**, and if you desaturate by 10%, it is **67.3597, 0.3012, 0.3987**.

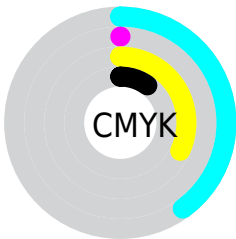
# Distribution



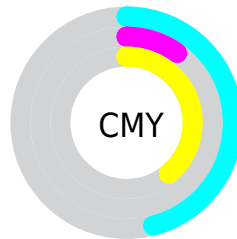
- Red (55%)
- Green (90%)
- Blue (61%)



- Red (55%)
- Yellow (85%)
- Blue (90%)



- Cyan (40%)
- Magenta (0%)
- Yellow (32%)
- Black (10%)



- Cyan (46%)
- Magenta (10%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4829, 0.2977, 0.4272 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 64.4829, 0.2977, 0.4272 by changing the saturation by 10% instead.





 64.4829, 0.2977,  
0.4272

 64.4829, 0.2977,  
0.4272


440.9314, 0.3063,  
0.3780

 47.0419, 0.2952,  
0.4394


 111.3061, 0.3011,  
0.4093

 33.0688, 0.2919,  
0.4550


 141.4571, 0.3023,  
0.4026

 22.1791, 0.2873,  
0.4756


176.6135, 0.3032,  
0.3970

 13.9886, 0.2803,  
0.5039

217.1598, 0.3041,  
0.3921

 8.1127, 0.2690,  
0.5449

263.4804, 0.3048,  
0.3879

 4.1672, 0.2489,  
0.6082

315.9596, 0.3053,

 1.7675, 0.2063,

0.3842

0.7937

374.9818, 0.3059,  
0.3809

0.4668, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.4829, 0.2977,  
0.4272

64.4829, 0.2977,  
0.4272

62.1253, 0.2947,  
0.4574

67.3597, 0.3012,  
0.3987

60.2482, 0.2926,  
0.4882


70.7760, 0.3050,  
0.3725

58.8201, 0.2916,  
0.5179


74.7605, 0.3090,  
0.3490

57.8022, 0.2918,  
0.5447

79.3378, 0.3129,  
0.3282

 57.1491, 0.2932,  
0.5669

 84.5307, 0.3166,  
0.3101

 56.7888, 0.2954,  
0.5833

 85.0824, 0.3138,  
0.3049

 56.7773, 0.2955,  
0.5838

# Harmonies

## Analogous

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



64.4829, 0.3596, 0.4454



64.4829, 0.2977, 0.4272



64.4829, 0.2430, 0.3717

# Triad

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



64.4829, 0.2977, 0.4272



64.4829, 0.2175, 0.2333



64.4829, 0.4283, 0.3342

# Complementary

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



64.4829, 0.2977, 0.4272



40.0739, 0.3330, 0.2477

# 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.



64.4829, 0.3822, 0.2883



64.4829, 0.2977, 0.4272



64.4829, 0.2582, 0.2327

# Square

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



64.4829, 0.2977, 0.4272



64.4829, 0.2005, 0.2575



64.4829, 0.3179, 0.2524



64.4829, 0.4385, 0.3827



# Rectangle

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



64.4829, 0.2977, 0.4272



64.4829, 0.2175, 0.3273



64.4829, 0.3179, 0.2524



64.4829, 0.4163, 0.3182

# Sweetspot

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



64.4856, 0.2977, 0.4272



93.1517, 0.3080, 0.3545



72.6582, 0.3592, 0.4315



19.7929, 0.3075, 0.3575



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.



64.4856, 0.2977, 0.4272



78.8581, 0.2951, 0.4534



66.3109, 0.2729, 0.3656



16.1330, 0.3090, 0.3487



32.1523, 0.2949, 0.5817



2.3886, 0.2878, 0.5562



# Inverse Universe

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



40.0739, 0.3330, 0.2477



43.7566, 0.3387, 0.2311



38.0906, 0.3800, 0.2959



14.5665, 0.3166, 0.3101



11.5710, 0.3746, 0.1837



0.8671, 0.3654, 0.1786



# Previews

## White Background



This preview shows how the Yxy color 64.4829, 0.2977, 0.4272 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 64.4829, 0.2977, 0.4272 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 64.4829, 0.2977, 0.4272**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4829, 0.2977, 0.4272.



This preview shows how white text looks on a background with the Yxy color 64.4829, 0.2977, 0.4272.

# 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

64.4829, 0.2977, 0.4272

### Protanopia

63.7151, 0.3704, 0.3992

### Deuteranopia

63.7944, 0.3784, 0.3711



## Tritanopia

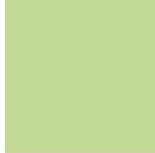
64.3687, 0.2617, 0.3085

# Trichromacy



## Original Color

64.4829, 0.2977, 0.4272



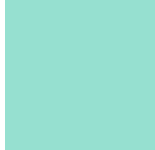
## Protanomaly

63.2971, 0.3410, 0.4106



## Deuteranomaly

62.7468, 0.3447, 0.3908



## Tritanomaly

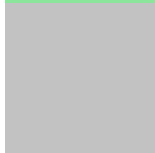
64.3494, 0.2745, 0.3490

# Monochromacy



## Original Color

64.4829, 0.2977, 0.4272



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

56.9196, 0.3066, 0.3636

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4829, 0.2977, 0.4272 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(139, 230, 156)` looks like.

```
.text, #text, p{  
    color:rgb(139, 230, 156)  
}
```

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(139, 230, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 230, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4829, 0.2977, 0.4272 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(139, 230, 156) }
```

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

```
.border{ border-color:rgb(139, 230, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 230, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 230, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 230, 156);  
box-shadow:4px 4px 4px 4px rgb(139, 230,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4829, 0.2977, 0.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 230, 156) }
```

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

```
.background{ background-color: rgb(139,  
230, 156) }
```

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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