

# Converting Colors

Yxy(67.9697, 0.2778, 0.4117)

Have a look what the booklet for  
Yxy(67.9697, 0.2778, 0.4117)  
contains.

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# Color

**Yxy(68.1662, 0.2777, 0.4122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77EEAF
RGB	119, 238, 175
RGB Percent	47%, 93%, 69%
CMY	0.5331, 0.0667, 0.3138
CMYK	0.50, 0.00, 0.26, 0.07
HSL	148°, 78%, 70%
HSV	148°, 50%, 93%
XYZ	45.9237, 68.1662, 51.2818
YIQ	195.2370, -50.7010, -44.8210

# Conversions

## Conversions Part 2

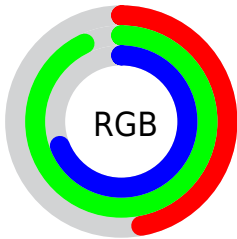
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 200, 238
Decimal	7859887
CIELab	86.09, -47.69, 20.41
CIELCh	86, 51.878, 156.834
Yxy	68.1662, 0.2777, 0.4122
Android (android.graphics.Color)	4286049967 (0xFF77EEAF)
YUV	195.2370, -9.9768, -66.8598
Hunter-Lab	82.5628, -45.1983, 20.9675

# Details

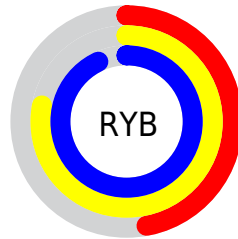
The Yxy color **68.1662, 0.2777, 0.4122** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **34.7647, 0.3771, 0.2605**, and the grayscale version is **54.8134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6366, 0.2804, 0.3555**, and **35.3227, 0.2678, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **66.2171, 0.2737, 0.4327**, and if you desaturate by 10%, it is **70.5887, 0.2832, 0.3926**.

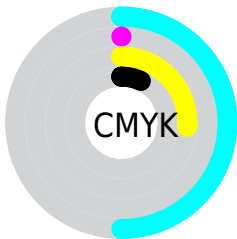
# Distribution



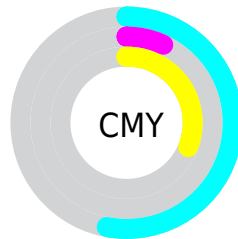
- Red (47%)
- Green (93%)
- Blue (69%)



- Red (47%)
- Yellow (78%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (26%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1662, 0.2777, 0.4122 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 68.1662, 0.2777, 0.4122 by changing the saturation by 10% instead.





 68.1662, 0.2777,  
0.4122

 68.1662, 0.2777,  
0.4122


454.0846, 0.2952,  
0.3710


 50.0330, 0.2734,  
0.4223


 116.5899, 0.2840,  
0.3974

 35.4396, 0.2679,  
0.4351

 147.6491, 0.2864,  
0.3918

 24.0017, 0.2606,  
0.4520


 183.7858, 0.2884,  
0.3870

 15.3349, 0.2506,  
0.4751

225.3843, 0.2901,  
0.3829

 9.0547, 0.2361,  
0.5085

272.8290, 0.2916,  
0.3794

 4.7769, 0.2133,  
0.5602


326.5044, 0.2930,

 2.1170, 0.1674,


0.3762


0.6703


386.7948, 0.2941,  
0.3735


 0.6741, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 68.1662, 0.2777,  
0.4122


 68.1662, 0.2777,  
0.4122


 66.2171, 0.2737,  
0.4327


 70.5887, 0.2832,  
0.3926


 64.6999, 0.2713,  
0.4537


 73.5063, 0.2897,  
0.3744


 63.5792, 0.2710,  
0.4746


 76.9491, 0.2970,  
0.3576


 62.8101, 0.2726,  
0.4947


 80.9426, 0.3048,  
0.3425

 62.3174, 0.2759,  
0.5134

 85.5104, 0.3127,  
0.3290

 62.3163, 0.2760,  
0.5134

 89.3511, 0.3162,  
0.3168

 89.6288, 0.3135,  
0.3127

# Harmonies

## Analogous

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



68.1662, 0.3393, 0.4447



68.1662, 0.2777, 0.4122



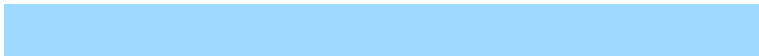
68.1662, 0.2286, 0.3494

# Triad

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



68.1662, 0.2777, 0.4122



68.1662, 0.2282, 0.2303



68.1662, 0.4366, 0.3505

# Complementary

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



68.1662, 0.2777, 0.4122



34.7647, 0.3771, 0.2605

# 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.



68.1662, 0.4011, 0.3027



68.1662, 0.2777, 0.4122



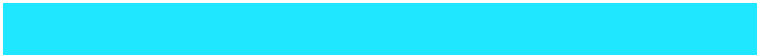
68.1662, 0.2763, 0.2369

# Square

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



68.1662, 0.2777, 0.4122



68.1662, 0.2030, 0.2463



68.1662, 0.3399, 0.2626



68.1662, 0.4337, 0.3983



# Rectangle

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



68.1662, 0.2777, 0.4122



68.1662, 0.2086, 0.3063



68.1662, 0.3399, 0.2626



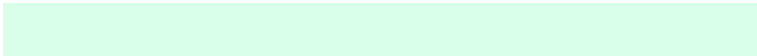
68.1662, 0.4288, 0.3342

# Sweetspot

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



68.1690, 0.2777, 0.4122



92.2162, 0.3008, 0.3500



72.4872, 0.3452, 0.4693



19.5299, 0.2992, 0.3532



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.



68.1690, 0.2777, 0.4122



77.3982, 0.2736, 0.4333



71.0172, 0.2492, 0.3337



17.7801, 0.3052, 0.3418



34.7921, 0.2752, 0.5106



2.9143, 0.2682, 0.4856



# Inverse Universe

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



34.7647, 0.3771, 0.2605



34.1844, 0.3973, 0.2490



32.8147, 0.4502, 0.3251



15.8988, 0.3210, 0.3166



11.0093, 0.4832, 0.2436

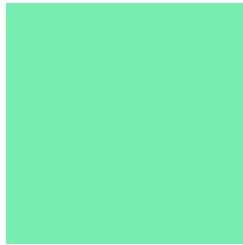


0.9360, 0.4559, 0.2285



# Previews

## White Background



This preview shows how the Yxy color 68.1662, 0.2777, 0.4122 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 68.1662, 0.2777, 0.4122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

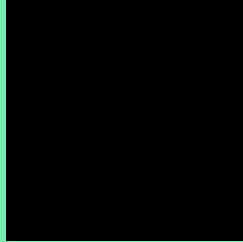
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.1662, 0.2777, 0.4122**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.1662, 0.2777, 0.4122.



This preview shows how white text looks on a background with the Yxy color 68.1662, 0.2777, 0.4122.

# 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

68.1662, 0.2777, 0.4122

### Protanopia

67.4315, 0.3597, 0.3847

### Deuteranopia

67.1128, 0.3621, 0.3547



## Tritanopia

68.1573, 0.2494, 0.3075

# Trichromacy



## Original Color

68.1662, 0.2777, 0.4122



## Protanomaly

66.4213, 0.3243, 0.3957



## Deuteranomaly

65.6768, 0.3258, 0.3752



## Tritanomaly

67.7590, 0.2592, 0.3425

# Monochromacy



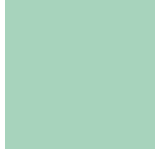
## Original Color

68.1662, 0.2777, 0.4122



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

58.4349, 0.2963, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.1662, 0.2777, 0.4122 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(119, 238, 175)` looks like.

```
.text, #text, p{  
    color:rgb(119, 238, 175)  
}
```

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(119, 238, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 238, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 68.1662, 0.2777, 0.4122 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(119, 238, 175) }
```

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

```
.border{ border-color:rgb(119, 238, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 238, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 238, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 238, 175); box-shadow:4px 4px 4px 4px rgb(119, 238, 175) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.1662, 0.2777, 0.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 238, 175) }
```

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

```
.background{ background-color: rgb(119,  
238, 175) }
```

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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