

# Converting Colors

$Yxy(67.5237, 0.2650, 0.3623)$

Have a look what the booklet for  
Yxy(67.5237, 0.2650, 0.3623)  
contains.

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# Color

**Yxy(67.3720, 0.2649, 0.3620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80E9CF
RGB	128, 233, 207
RGB Percent	50%, 91%, 81%
CMY	0.4981, 0.0862, 0.1882
CMYK	0.45, 0.00, 0.11, 0.09
HSL	165°, 70%, 71%
HSV	165°, 45%, 91%
XYZ	49.3007, 67.3720, 69.4378
YIQ	198.6410, -54.2340, -30.3460

# Conversions

## Conversions Part 2

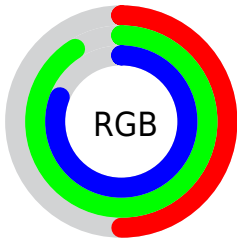
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 188, 233
Decimal	8448463
CIELab	85.69, -36.59, 3.18
CIELCh	86, 36.726, 175.034
Yxy	67.3720, 0.2649, 0.3620
Android (android.graphics.Color)	4286638543 (0xFF80E9CF)
YUV	198.6410, 4.1210, -61.9522
Hunter-Lab	82.0804, -36.4268, 7.2986

# Details

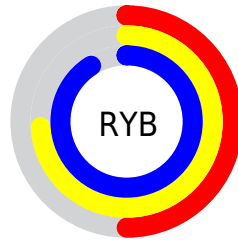
The Yxy color **67.3720, 0.2649, 0.3620** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.0899, 0.4027, 0.2997**, and the grayscale version is **56.8798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **35.0094, 0.2530, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **65.4939, 0.2576, 0.3708**, and if you desaturate by 10%, it is **69.6806, 0.2738, 0.3537**.

# Distribution



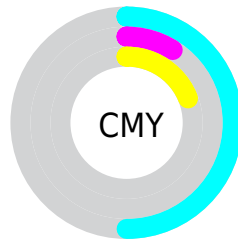
- Red (50%)
- Green (91%)
- Blue (81%)



- Red (50%)
- Yellow (74%)
- Blue (91%)



- Cyan (45%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)




- Cyan (50%)
- Magenta (9%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3720, 0.2649, 0.3620 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 67.3720, 0.2649, 0.3620 by changing the saturation by 10% instead.



 67.3720, 0.2649,  
0.3620


 67.3720, 0.2649,  
0.3620

451.2678, 0.2874,  
0.3463

 49.3870, 0.2597,  
0.3657


 115.4533, 0.2728,  
0.3565

 34.9266, 0.2532,  
0.3703


 146.3184, 0.2758,  
0.3544

 23.6063, 0.2450,  
0.3762


 182.2456, 0.2784,  
0.3525

 15.0418, 0.2341,  
0.3841

223.6194, 0.2807,  
0.3510

 8.8488, 0.2192,  
0.3951

270.8241, 0.2826,  
0.3496

 4.6427, 0.1975,  
0.4114

324.2441, 0.2844,

 2.0392, 0.1629,

0.3484

0.4384

384.2639, 0.2860,  
0.3473

0.6301, 0.0000,  
0.5760

0.0000, 0.0000,  
0.0000

67.3720, 0.2649,  
0.3620

67.3720, 0.2649,  
0.3620

65.4939, 0.2576,  
0.3708

69.6806, 0.2738,  
0.3537

64.0093, 0.2520,  
0.3799

72.4378, 0.2839,  
0.3459

62.8883, 0.2485,  
0.3892

75.6702, 0.2949,  
0.3387


62.0931, 0.2469,  
0.3985


79.4002, 0.3066,  
0.3321


 61.5772, 0.2472,  
0.4077


 83.6487, 0.3187,  
0.3262

 61.3897, 0.2478,  
0.4122

 85.9300, 0.3222,  
0.3206

 86.2814, 0.3185,  
0.3150

 86.6439, 0.3149,  
0.3095

 86.7621, 0.3137,  
0.3078

# Harmonies

## Analogous

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



67.3720, 0.3059, 0.3985



67.3720, 0.2649, 0.3620



67.3720, 0.2377, 0.3170

# Triad

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



67.3720, 0.2649, 0.3620



67.3720, 0.2713, 0.2571



67.3720, 0.4033, 0.3686

# Complementary

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



67.3720, 0.2649, 0.3620



35.0899, 0.4027, 0.2997

# 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.



67.3720, 0.3935, 0.3324



67.3720, 0.2649, 0.3620



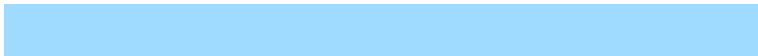
67.3720, 0.3144, 0.2710

# Square

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



67.3720, 0.2649, 0.3620



67.3720, 0.2414, 0.2596



67.3720, 0.3600, 0.2978



67.3720, 0.3868, 0.3983



# Rectangle

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



67.3720, 0.2649, 0.3620



67.3720, 0.2301, 0.2907



67.3720, 0.3600, 0.2978



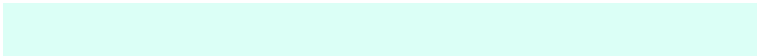
67.3720, 0.4030, 0.3568

# Sweetspot

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



67.3747, 0.2649, 0.3620



93.2904, 0.2961, 0.3380



66.7331, 0.3223, 0.4635



19.7701, 0.2936, 0.3395



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.



67.3747, 0.2649, 0.3620



80.5382, 0.2581, 0.3701



54.9757, 0.2464, 0.2954



17.0544, 0.3014, 0.3349



34.8520, 0.2474, 0.4108



2.7518, 0.2439, 0.3980



# Inverse Universe

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



35.0899, 0.4027, 0.2997



36.2998, 0.4323, 0.2946



42.0717, 0.4192, 0.3592



15.1152, 0.3254, 0.3232



10.0179, 0.5934, 0.3043



0.8016, 0.5544, 0.2828



# Previews

## White Background



This preview shows how the Yxy color 67.3720, 0.2649, 0.3620 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

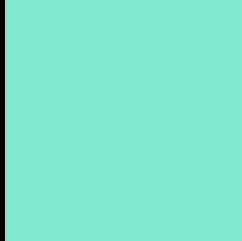
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.3720, 0.2649, 0.3620 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

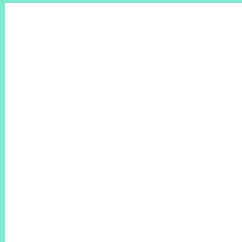
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.3720, 0.2649, 0.3620**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.3720, 0.2649, 0.3620.

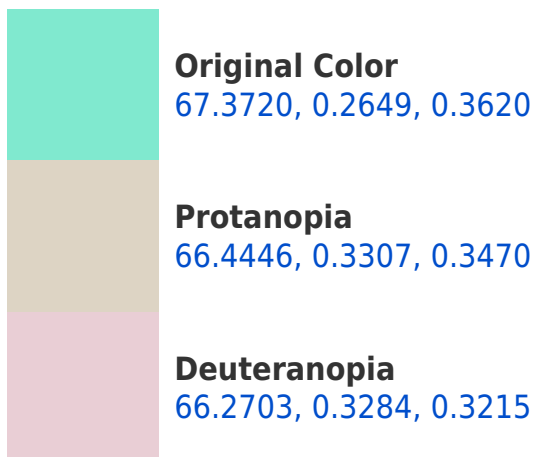


This preview shows how white text looks on a background with the Yxy color 67.3720, 0.2649, 0.3620.

# 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





## Tritanopia

67.0810, 0.2499, 0.3062

# Trichromacy



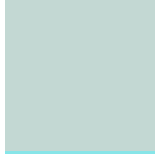
## Original Color

67.3720, 0.2649, 0.3620



## Protanomaly

65.9213, 0.3025, 0.3529



## Deuteranomaly

65.4170, 0.3010, 0.3348



## Tritanomaly

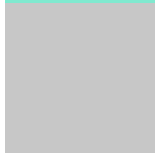
67.0157, 0.2551, 0.3252

# Monochromacy



## Original Color

67.3720, 0.2649, 0.3620



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

59.7370, 0.2914, 0.3401

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.3720, 0.2649, 0.3620 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, 233, 207)` looks like.

```
.text, #text, p{  
    color:rgb(128, 233, 207)  
}
```

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, 233, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 233, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 67.3720, 0.2649, 0.3620 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, 233, 207) }
```

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

```
.border{ border-color:rgb(128, 233, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 233, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 233, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 233, 207);  
box-shadow:4px 4px 4px 4px rgb(128, 233,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.3720, 0.2649, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 233, 207) }
```

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

```
.background{ background-color: rgb(128,  
233, 207) }
```

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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