

# Converting Colors

$Yxy(67.0729, 0.2561, 0.3267)$

Have a look what the booklet for  
Yxy(67.0729, 0.2561, 0.3267)  
contains.

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# Color

**Yxy(67.0424, 0.2561, 0.3264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88E5E7
RGB	136, 229, 231
RGB Percent	53%, 90%, 91%
CMY	0.4664, 0.1020, 0.0942
CMYK	0.41, 0.01, 0.00, 0.09
HSL	181°, 66%, 72%
HSV	181°, 41%, 91%
XYZ	52.6028, 67.0424, 85.7543
YIQ	201.4210, -56.0700, -19.0940

# Conversions

## Conversions Part 2

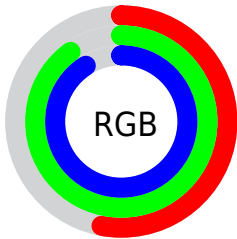
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 183, 231
Decimal	8971751
CIE <sub>Lab</sub>	85.53, -27.10, -9.65
CIE <sub>LCh</sub>	86, 28.765, 199.611
Yxy	67.0424, 0.2561, 0.3264
Android (android.graphics.Color)	4287161831 (0xFF88E5E7)
YUV	201.4210, 14.5824, -57.3742
Hunter-Lab	81.8794, -28.6130, -4.7803

# Details

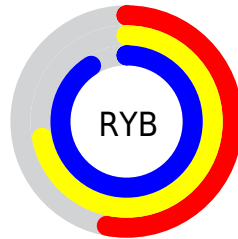
The Yxy color **67.0424, 0.2561, 0.3264** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.9603, 0.4172, 0.3316**, and the grayscale version is **58.6283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **34.6020, 0.2429, 0.3255** is the 20% darker color. If you saturate the color by 10%, you get **65.0465, 0.2459, 0.3257**, and if you desaturate by 10%, it is **69.4610, 0.2680, 0.3271**.

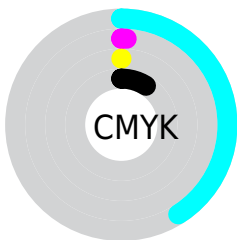
# Distribution



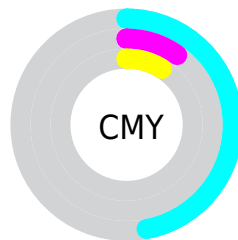
- Red (53%)
- Green (90%)
- Blue (91%)



- Red (53%)
- Yellow (72%)
- Blue (91%)



- Cyan (41%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)




- Cyan (47%)
- Magenta (10%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0424, 0.2561, 0.3264 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 67.0424, 0.2561, 0.3264 by changing the saturation by 10% instead.





 67.0424, 0.2561,  
0.3264

 67.0424, 0.2561,  
0.3264


450.0957, 0.2822,  
0.3282

 49.1191, 0.2502,  
0.3258


 114.9812, 0.2651,  
0.3271

 34.7140, 0.2429,  
0.3251


 145.7654, 0.2687,  
0.3274

 23.4426, 0.2337,  
0.3240


 181.6054, 0.2717,  
0.3276

 14.9207, 0.2218,  
0.3224

222.8856, 0.2743,  
0.3278

 8.7637, 0.2057,  
0.3198

269.9903, 0.2767,  
0.3279

 4.5874, 0.1831,  
0.3152

323.3039, 0.2787,

 2.0073, 0.1493,

0.3280

383.2109, 0.2806,  
0.3281

0.3062

0.6117, 0.0000,  
0.3053

0.0000, 0.0000,  
0.0000

67.0424, 0.2561,  
0.3264

67.0424, 0.2561,  
0.3264

65.0465, 0.2459,  
0.3257

69.4610, 0.2680,  
0.3271

63.4386, 0.2376,  
0.3250

72.3192, 0.2813,  
0.3277


62.1909, 0.2312,  
0.3243


75.6421, 0.2957,  
0.3284


61.2689, 0.2267,  
0.3236


79.4511, 0.3110,  
0.3289

 60.6312, 0.2241,  
0.3229


 83.7658, 0.3269,  
0.3295

 60.2415, 0.2229,  
0.3223

 84.6828, 0.3292,  
0.3300

 84.9552, 0.3291,  
0.3304

 85.2283, 0.3291,  
0.3309

 85.5021, 0.3290,  
0.3314

# Harmonies

## Analogous

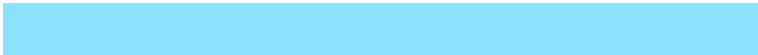
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.0424, 0.2805, 0.3607



67.0424, 0.2561, 0.3264



67.0424, 0.2464, 0.2954

# Triad

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



67.0424, 0.2561, 0.3264



67.0424, 0.3078, 0.2797



67.0424, 0.3749, 0.3808

# Complementary

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



67.0424, 0.2561, 0.3264



36.9603, 0.4172, 0.3316

# 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.



67.0424, 0.3839, 0.3564



67.0424, 0.2561, 0.3264



67.0424, 0.3439, 0.2998

# Square

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



67.0424, 0.2561, 0.3264



67.0424, 0.2749, 0.2709



67.0424, 0.3724, 0.3272



67.0424, 0.3491, 0.3927

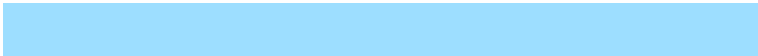


# Rectangle

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



67.0424, 0.2561, 0.3264



67.0424, 0.2491, 0.2809



67.0424, 0.3724, 0.3272



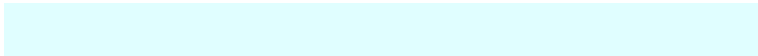
67.0424, 0.3801, 0.3736

# Sweetspot

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



67.0450, 0.2561, 0.3264



94.2434, 0.2943, 0.3283



64.2070, 0.3059, 0.4537



20.0494, 0.2923, 0.3282



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.



67.0450, 0.2561, 0.3264



81.8328, 0.2476, 0.3258



44.4432, 0.2462, 0.2650



16.2819, 0.2982, 0.3285



33.8029, 0.2229, 0.3224



2.5145, 0.2232, 0.3234



# Inverse Universe

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



40.2724, 0.3192, 0.2300



44.2913, 0.3205, 0.2123



53.5096, 0.3939, 0.3848



14.6098, 0.3141, 0.3063



12.6101, 0.3262, 0.1571

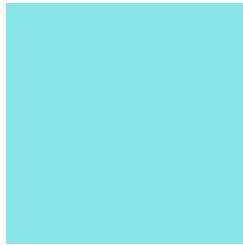


0.9335, 0.3254, 0.1566



# Previews

## White Background



This preview shows how the Yxy color 67.0424, 0.2561, 0.3264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

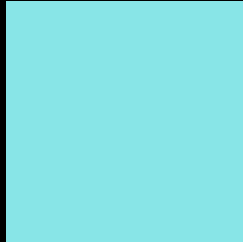
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.0424, 0.2561, 0.3264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

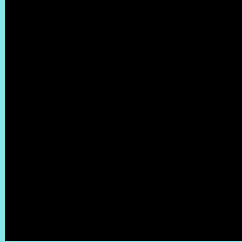
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.0424, 0.2561, 0.3264**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0424, 0.2561, 0.3264.

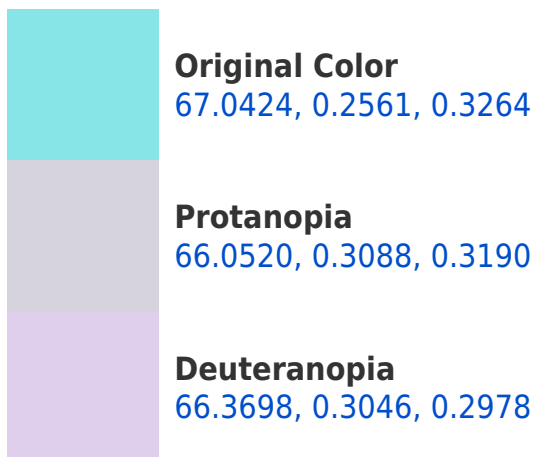


This preview shows how white text looks on a background with the Yxy color 67.0424, 0.2561, 0.3264.

# 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

67.1062, 0.2508, 0.3074

# Trichromacy



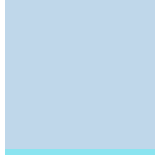
## Original Color

67.0424, 0.2561, 0.3264



## Protanomaly

65.9637, 0.2869, 0.3219



## Deuteranomaly

65.6178, 0.2839, 0.3072



## Tritanomaly

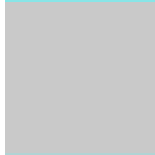
67.2670, 0.2529, 0.3144

# Monochromacy



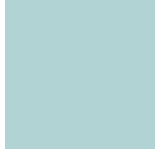
## Original Color

67.0424, 0.2561, 0.3264



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.6891, 0.2879, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0424, 0.2561, 0.3264 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(136, 229, 231)` looks like.

```
.text, #text, p{  
    color:rgb(136, 229, 231)  
}
```

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(136, 229, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 229, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0424, 0.2561, 0.3264 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(136, 229, 231) }
```

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

```
.border{ border-color:rgb(136, 229, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 229, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 229, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 229, 231);  
box-shadow:4px 4px 4px 4px rgb(136, 229,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0424, 0.2561, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 229, 231) }
```

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

```
.background{ background-color: rgb(136,  
229, 231) }
```

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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