

# Converting Colors

$Yxy(64.7477, 0.2555, 0.3288)$

Have a look what the booklet for  
Yxy(64.7477, 0.2555, 0.3288)  
contains.

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# Color

**Yxy(64.7090, 0.2555, 0.3288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83E2E2
RGB	131, 226, 226
RGB Percent	51%, 89%, 89%
CMY	0.4864, 0.1137, 0.1136
CMYK	0.42, 0.00, 0.00, 0.11
HSL	180°, 62%, 70%
HSV	180°, 42%, 89%
XYZ	50.2833, 64.7090, 81.8112
YIQ	197.5950, -56.6200, -20.1400

# Conversions

## Conversions Part 2

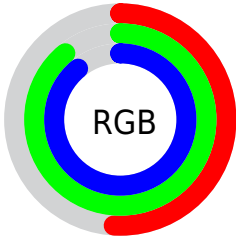
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 179, 226
Decimal	8643298
CIELab	84.33, -28.08, -8.83
CIELCh	84, 29.441, 197.461
Yxy	64.7090, 0.2555, 0.3288
Android (android.graphics.Color)	4286833378 (0xFF83E2E2)
YUV	197.5950, 14.0037, -58.4038
Hunter-Lab	80.4419, -29.1951, -3.9899

# Details

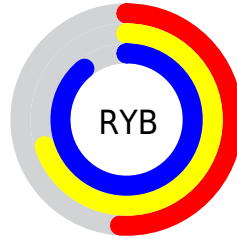
The Yxy color **64.7090, 0.2555, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.0429, 0.4217, 0.3294**, and the grayscale version is **56.1510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **33.1062, 0.2418, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **63.0968, 0.2457, 0.3288**, and if you desaturate by 10%, it is **66.7199, 0.2670, 0.3288**.

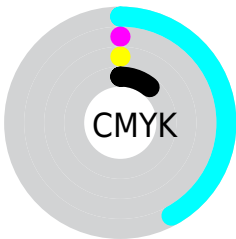
# Distribution



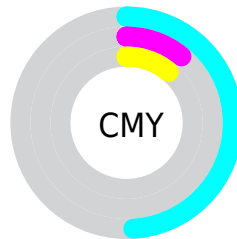
- Red (51%)
- Green (89%)
- Blue (89%)



- Red (51%)
- Yellow (70%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (49%)
- Magenta (11%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7090, 0.2555, 0.3288 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 64.7090, 0.2555, 0.3288 by changing the saturation by 10% instead.





 64.7090, 0.2555,  
0.3288

 64.7090, 0.2555,  
0.3288


441.7455, 0.2821,  
0.3295


 47.2252, 0.2494,  
0.3285


 111.6314, 0.2647,  
0.3291

 33.2137, 0.2419,  
0.3281


 141.8387, 0.2683,  
0.3292

 22.2902, 0.2325,  
0.3274


 177.0560, 0.2714,  
0.3293

 14.0703, 0.2201,  
0.3263

217.6676, 0.2741,  
0.3294

 8.1696, 0.2034,  
0.3243

264.0580, 0.2764,  
0.3294

 4.2036, 0.1796,  
0.3206

316.6115, 0.2785,

 1.7881, 0.1438,

0.3294

0.3126

375.7125, 0.2804,  
0.3294

0.4798, 0.0000,  
0.2942

0.0000, 0.0000,  
0.0000

64.7090, 0.2555,  
0.3288

64.7090, 0.2555,  
0.3288

63.0968, 0.2457,  
0.3288

66.7199, 0.2670,  
0.3288

61.8498, 0.2378,  
0.3287


69.1454, 0.2801,  
0.3289

60.9415, 0.2319,  
0.3287


72.0097, 0.2943,  
0.3289


60.3388, 0.2278,  
0.3287


75.3331, 0.3095,  
0.3290

 60.0015, 0.2255,  
0.3287


 79.1344, 0.3253,  
0.3290

 59.8709, 0.2246,  
0.3287

 81.1666, 0.3332,  
0.3291

 81.1696, 0.3332,  
0.3291

 81.1726, 0.3332,  
0.3291

 81.1757, 0.3332,  
0.3291

# Harmonies

## Analogous

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



64.7090, 0.2816, 0.3642



64.7090, 0.2555, 0.3288



64.7090, 0.2443, 0.2961

# Triad

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



64.7090, 0.2555, 0.3288



64.7090, 0.3049, 0.2770



64.7090, 0.3784, 0.3810

# Complementary

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



64.7090, 0.2555, 0.3288



34.0429, 0.4217, 0.3294

# 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.



64.7090, 0.3863, 0.3551



64.7090, 0.2555, 0.3288



64.7090, 0.3424, 0.2970

# Square

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



64.7090, 0.2555, 0.3288



64.7090, 0.2715, 0.2688



64.7090, 0.3729, 0.3249



64.7090, 0.3527, 0.3947

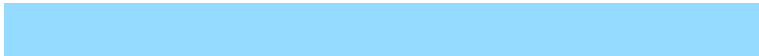


# Rectangle

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



64.7090, 0.2555, 0.3288



64.7090, 0.2463, 0.2805



64.7090, 0.3729, 0.3249



64.7090, 0.3833, 0.3733

# Sweetspot

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



64.7115, 0.2555, 0.3288



94.2407, 0.2928, 0.3289



60.8696, 0.3066, 0.4591



19.9843, 0.2896, 0.3289



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.



64.7115, 0.2555, 0.3288



83.2705, 0.2473, 0.3288



42.3562, 0.2451, 0.2655



15.5718, 0.2982, 0.3290



34.1467, 0.2246, 0.3287



2.3670, 0.2246, 0.3287



# Inverse Universe

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



37.8900, 0.3176, 0.2261



43.7862, 0.3184, 0.2083



49.8519, 0.3969, 0.3843



13.9356, 0.3138, 0.3059



12.3552, 0.3210, 0.1542



0.8564, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 64.7090, 0.2555, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

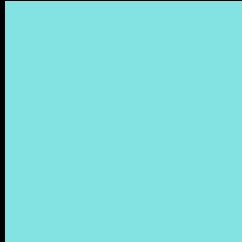
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.7090, 0.2555, 0.3288 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

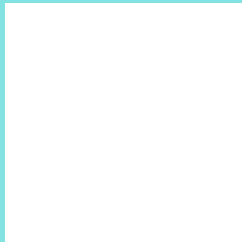
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.7090, 0.2555, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7090, 0.2555, 0.3288.

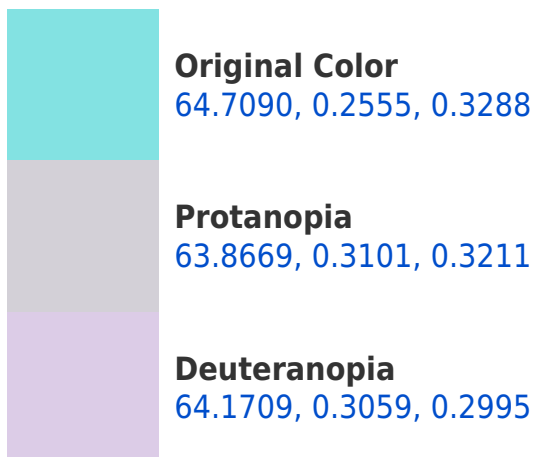


This preview shows how white text looks on a background with the Yxy color 64.7090, 0.2555, 0.3288.

# 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

64.8730, 0.2493, 0.3070

# Trichromacy



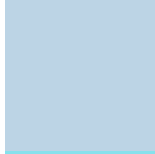
## Original Color

64.7090, 0.2555, 0.3288



## Protanomaly

63.6604, 0.2871, 0.3242



## Deuteranomaly

63.4355, 0.2848, 0.3092



## Tritanomaly

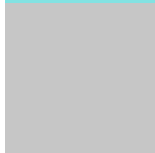
64.9749, 0.2519, 0.3154

# Monochromacy



## Original Color

64.7090, 0.2555, 0.3288



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

58.6645, 0.2882, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7090, 0.2555, 0.3288 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(131, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(131, 226, 226)  
}
```

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(131, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 226, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7090, 0.2555, 0.3288 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(131, 226, 226) }
```

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

```
.border{ border-color:rgb(131, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(131, 226,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7090, 0.2555, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 226, 226) }
```

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

```
.background{ background-color: rgb(131,  
226, 226) }
```

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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