

# Converting Colors

$Yxy(63.7267, 0.2470, 0.3163)$

Have a look what the booklet for  
Yxy(63.7267, 0.2470, 0.3163)  
contains.

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# Color

**Yxy(63.9862, 0.2470, 0.3164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AE1EB
RGB	122, 225, 235
RGB Percent	48%, 88%, 92%
CMY	0.5213, 0.1177, 0.0785
CMYK	0.48, 0.04, 0.00, 0.08
HSL	185°, 74%, 70%
HSV	185°, 48%, 92%
XYZ	49.9513, 63.9862, 88.2945
YIQ	195.3430, -64.5980, -18.7260

# Conversions

## Conversions Part 2

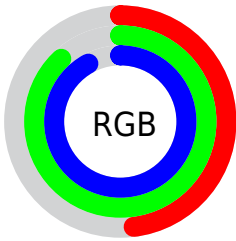
Format	Color
<a href="#">RYB</a>	<a href="#">122, 176, 235</a>
Decimal	<a href="#">8053227</a>
CIELab	<a href="#">83.96, -27.36, -14.16</a>
CIELCh	<a href="#">84, 30.808, 207.366</a>
Yxy	<a href="#">63.9862, 0.2470, 0.3164</a>
Android (android.graphics.Color)	<a href="#">4286243307</a> ( <a href="#">0xFF7AE1EB</a> )
YUV	<a href="#">195.3430, 19.5509, -64.3218</a>
Hunter-Lab	<a href="#">79.9914, -28.5190, -9.4503</a>

# Details

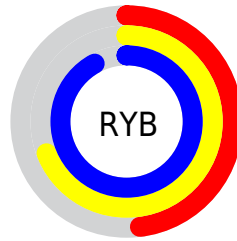
The Yxy color **63.9862, 0.2470, 0.3164** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.5828, 0.4405, 0.3405**, and the grayscale version is **54.7097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **32.5913, 0.2316, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **61.3584, 0.2373, 0.3134**, and if you desaturate by 10%, it is **67.0472, 0.2584, 0.3193**.

# Distribution



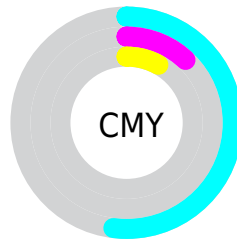
- Red (48%)
- Green (88%)
- Blue (92%)



- Red (48%)
- Yellow (69%)
- Blue (92%)



- Cyan (48%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)




- Cyan (52%)
- Magenta (12%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9862, 0.2470, 0.3164 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 63.9862, 0.2470, 0.3164 by changing the saturation by 10% instead.




 63.9862, 0.2470,  
0.3164


 63.9862, 0.2470,  
0.3164


439.1398, 0.2774,  
0.3231

 46.6395, 0.2401,  
0.3146


 110.5911, 0.2575,  
0.3189

 32.7508, 0.2316,  
0.3123


 140.6180, 0.2616,  
0.3198

 21.9356, 0.2210,  
0.3092

 175.6405, 0.2651,  
0.3206

 13.8096, 0.2072,  
0.3049

216.0429, 0.2682,  
0.3213

 7.9883, 0.1887,  
0.2984

262.2097, 0.2709,  
0.3218

 4.0875, 0.1629,  
0.2879

314.5251, 0.2733,

 1.7226, 0.1251,

0.3223

0.2690

373.3737, 0.2754,  
0.3228

0.4382, 0.0000,  
0.2193

0.0000, 0.0000,  
0.0000

63.9862, 0.2470,  
0.3164

63.9862, 0.2470,  
0.3164

61.3584, 0.2373,  
0.3134

67.0472, 0.2584,  
0.3193

59.1261, 0.2294,  
0.3103


70.5616, 0.2713,  
0.3221

57.2572, 0.2235,  
0.3073


74.5567, 0.2854,  
0.3247


55.7108, 0.2196,  
0.3042


79.0559, 0.3003,  
0.3272


 54.4305, 0.2172,  
0.3012


 84.0807, 0.3158,  
0.3294

 54.1949, 0.2169,  
0.3006

 88.0899, 0.3260,  
0.3315

 89.3025, 0.3259,  
0.3335

 90.5291, 0.3257,  
0.3355

 91.7697, 0.3255,  
0.3375

# Harmonies

## Analogous

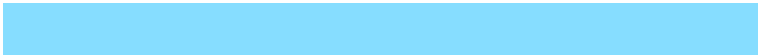
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9862, 0.2696, 0.3542



63.9862, 0.2470, 0.3164



63.9862, 0.2411, 0.2855

# Triad

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



63.9862, 0.2470, 0.3164



63.9862, 0.3175, 0.2803



63.9862, 0.3745, 0.3901

# Complementary

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



63.9862, 0.2470, 0.3164



35.5828, 0.4405, 0.3405

# 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.



63.9862, 0.3897, 0.3660



63.9862, 0.2470, 0.3164



63.9862, 0.3559, 0.3044

# Square

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



63.9862, 0.2470, 0.3164



63.9862, 0.2799, 0.2673



63.9862, 0.3830, 0.3350



63.9862, 0.3428, 0.3987

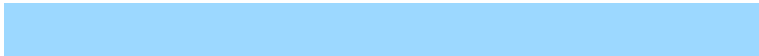


# Rectangle

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



63.9862, 0.2470, 0.3164



63.9862, 0.2470, 0.2725



63.9862, 0.3830, 0.3350



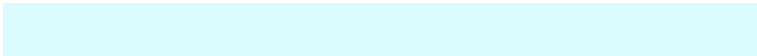
63.9862, 0.3817, 0.3834

# Sweetspot

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



63.9887, 0.2470, 0.3164



91.8501, 0.2912, 0.3257



65.1972, 0.3010, 0.4687



19.4145, 0.2880, 0.3252



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.



63.9887, 0.2470, 0.3164



73.8139, 0.2371, 0.3133



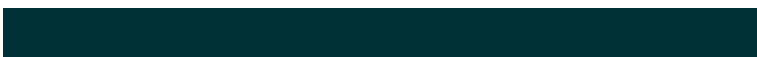
38.5602, 0.2330, 0.2412



16.8809, 0.2981, 0.3269



30.2662, 0.2170, 0.3011



2.4435, 0.2181, 0.3053



# Inverse Universe

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



37.0324, 0.3276, 0.2213



38.2028, 0.3312, 0.2024



55.0034, 0.4073, 0.4019



15.2895, 0.3151, 0.3078



12.5482, 0.3444, 0.1671

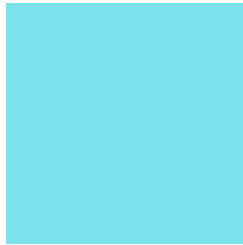


0.9921, 0.3408, 0.1651



# Previews

## White Background



This preview shows how the Yxy color 63.9862, 0.2470, 0.3164 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

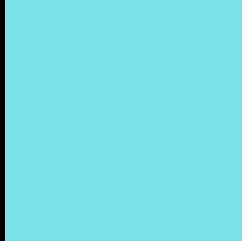
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.9862, 0.2470, 0.3164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

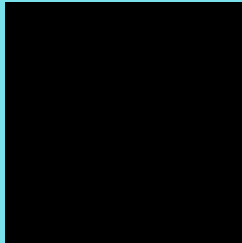
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.9862, 0.2470, 0.3164**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.9862, 0.2470, 0.3164.

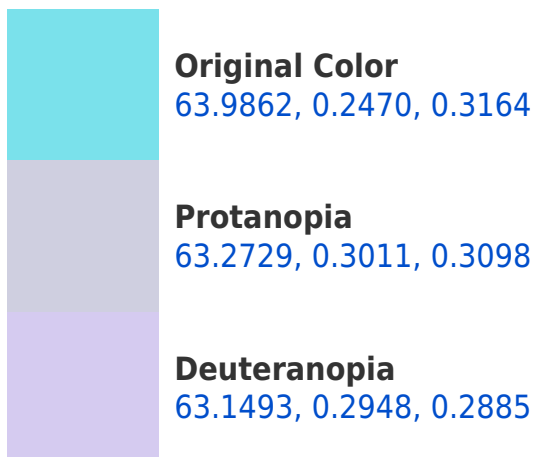


This preview shows how white text looks on a background with the Yxy color 63.9862, 0.2470, 0.3164.

# 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

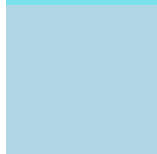
64.0072, 0.2444, 0.3067

# Trichromacy



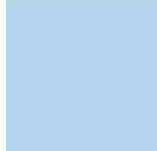
## Original Color

63.9862, 0.2470, 0.3164



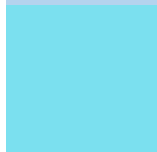
## Protanomaly

62.9247, 0.2777, 0.3123



## Deuteranomaly

62.4649, 0.2741, 0.2976



## Tritanomaly

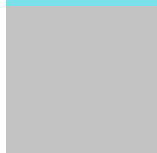
63.7543, 0.2453, 0.3103

# Monochromacy



## Original Color

63.9862, 0.2470, 0.3164



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

57.1206, 0.2827, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9862, 0.2470, 0.3164 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(122, 225, 235)` looks like.

```
.text, #text, p{  
    color:rgb(122, 225, 235)  
}
```

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(122, 225, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 225, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9862, 0.2470, 0.3164 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(122, 225, 235) }
```

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

```
.border{ border-color:rgb(122, 225, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 225, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 225, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 225, 235);  
box-shadow:4px 4px 4px 4px rgb(122, 225,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9862, 0.2470, 0.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 225, 235) }
```

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

```
.background{ background-color: rgb(122,  
225, 235) }
```

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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