

# Converting Colors

$Y_{xy}(62.7778, 0.2453, 0.3314)$

Have a look what the booklet for  
Yxy(62.7778, 0.2453, 0.3314)  
contains.

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# Color

**Yxy(62.7778, 0.2453, 0.3314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69E2E0
RGB	105, 226, 224
RGB Percent	41%, 89%, 88%
CMY	0.5886, 0.1137, 0.1216
CMYK	0.54, 0.00, 0.01, 0.11
HSL	179°, 68%, 65%
HSV	179°, 54%, 89%
XYZ	46.4677, 62.7778, 80.1866
YIQ	189.5930, -71.4740, -26.2740

# Conversions

## Conversions Part 2

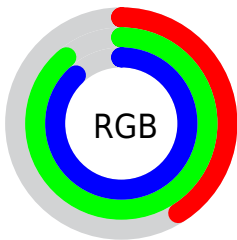
<b>Format</b>	<b>Color</b>
<b>RYB</b>	105, 166, 226
Decimal	6939360
CIELab	83.33, -34.24, -9.36
CIELCh	83, 35.494, 195.291
Yxy	62.7778, 0.2453, 0.3314
Android (android.graphics.Color)	4285129440 (0xFF69E2E0)
YUV	189.5930, 16.9627, -74.1881
Hunter-Lab	79.2324, -33.9713, -4.5413

# Details

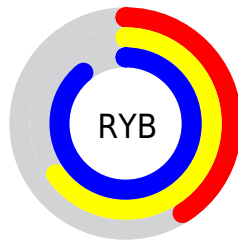
The Yxy color **62.7778, 0.2453, 0.3314** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.3155, 0.4679, 0.3272**, and the grayscale version is **51.1659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **31.9211, 0.2291, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **61.5697, 0.2378, 0.3319**, and if you desaturate by 10%, it is **64.3542, 0.2547, 0.3309**.

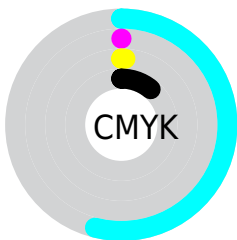
# Distribution



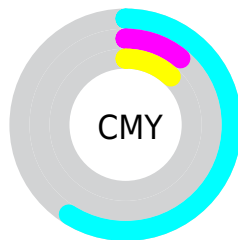
- Red (41%)
- Green (89%)
- Blue (88%)



- Red (41%)
- Yellow (65%)
- Blue (89%)



- Cyan (54%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (59%)
- Magenta (11%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7778, 0.2453, 0.3314 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 62.7778, 0.2453, 0.3314 by changing the saturation by 10% instead.





 62.7778, 0.2453,  
0.3314

 62.7778, 0.2453,  
0.3314

434.7626, 0.2767,  
0.3310

 45.6615, 0.2381,  
0.3313

 108.8489, 0.2562,  
0.3314

 31.9788, 0.2293,  
0.3311


 138.5724, 0.2604,  
0.3314

 21.3453, 0.2181,  
0.3306


 173.2672, 0.2641,  
0.3313

 13.3766, 0.2036,  
0.3297

213.3175, 0.2672,  
0.3313

 7.6884, 0.1840,  
0.3278

259.1078, 0.2700,  
0.3312

 3.8962, 0.1564,  
0.3238

311.0225, 0.2725,

 1.6157, 0.1108,

0.3311

369.4460, 0.2747,  
0.3311

0.3162

0.3681, 0.0000,  
0.2581

0.0000, 0.0000,  
0.0000

62.7778, 0.2453,  
0.3314

62.7778, 0.2453,  
0.3314

61.5697, 0.2378,  
0.3319

64.3542, 0.2547,  
0.3309

60.6933, 0.2322,  
0.3325


66.3180, 0.2658,  
0.3304


60.1167, 0.2286,  
0.3330

68.6955, 0.2785,  
0.3299

59.7986, 0.2267,  
0.3335

71.5086, 0.2924,  
0.3295

 59.6882, 0.2261,  
0.3339

 74.7776, 0.3072,  
0.3291

 78.5218, 0.3227,  
0.3288

 81.1866, 0.3328,  
0.3284

 81.2074, 0.3325,  
0.3281

 81.2282, 0.3323,  
0.3277

# Harmonies

## Analogous

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



62.7778, 0.2775, 0.3752



62.7778, 0.2453, 0.3314



62.7778, 0.2309, 0.2909

# Triad

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



62.7778, 0.2453, 0.3314



62.7778, 0.2996, 0.2655



62.7778, 0.3939, 0.3894

# Complementary

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



62.7778, 0.2453, 0.3314



27.3155, 0.4679, 0.3272

# 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.



62.7778, 0.4021, 0.3569



62.7778, 0.2453, 0.3314



62.7778, 0.3454, 0.2884

# Square

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



62.7778, 0.2453, 0.3314



62.7778, 0.2604, 0.2567



62.7778, 0.3841, 0.3208



62.7778, 0.3635, 0.4086



# Rectangle

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



62.7778, 0.2453, 0.3314



62.7778, 0.2322, 0.2716



62.7778, 0.3841, 0.3208



62.7778, 0.3995, 0.3795

# Sweetspot

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



62.7802, 0.2453, 0.3314



93.0226, 0.2888, 0.3296



58.5401, 0.3057, 0.4999



19.7429, 0.2858, 0.3297



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.



62.7802, 0.2453, 0.3314



80.8312, 0.2373, 0.3320



36.3031, 0.2276, 0.2470



15.5682, 0.2984, 0.3294



34.0490, 0.2261, 0.3338



2.3614, 0.2258, 0.3330



# Inverse Universe

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



27.3155, 0.4679, 0.3272



29.6972, 0.5189, 0.3272



43.5412, 0.4285, 0.3962



13.7042, 0.3289, 0.3287



9.2307, 0.6382, 0.3289

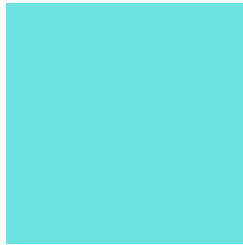


0.6411, 0.6327, 0.3259



# Previews

## White Background



This preview shows how the Yxy color 62.7778, 0.2453, 0.3314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

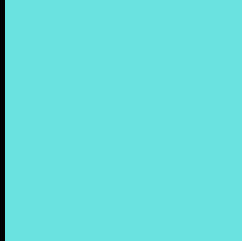
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7778, 0.2453, 0.3314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

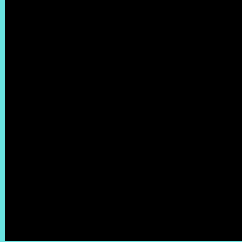
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.7778, 0.2453, 0.3314**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7778, 0.2453, 0.3314.

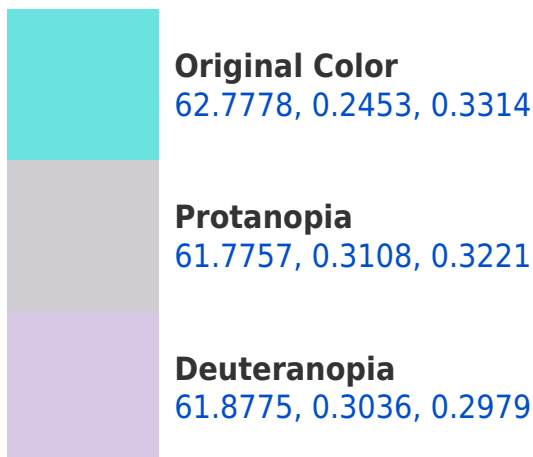


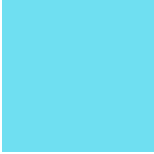
This preview shows how white text looks on a background with the Yxy color 62.7778, 0.2453, 0.3314.

# 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**

62.5057, 0.2393, 0.3063

# Trichromacy



## Original Color

62.7778, 0.2453, 0.3314



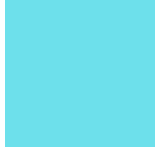
## Protanomaly

61.2043, 0.2816, 0.3253



## Deuteranomaly

60.7532, 0.2773, 0.3086



## Tritanomaly

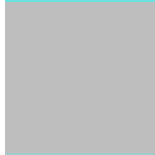
62.5607, 0.2414, 0.3149

# Monochromacy



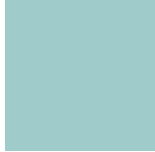
## Original Color

62.7778, 0.2453, 0.3314



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

54.3471, 0.2814, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7778, 0.2453, 0.3314 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(105, 226, 224)` looks like.

```
.text, #text, p{  
    color:rgb(105, 226, 224)  
}
```

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(105, 226, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 226, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7778, 0.2453, 0.3314 is called "border". The border property can be set on classes, ids or directly on the HTML element.

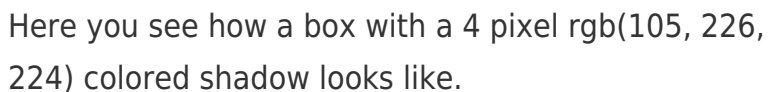
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 226, 224) }
```

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

```
.border{ border-color:rgb(105, 226, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 226, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 226, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 226, 224); box-shadow:4px 4px 4px 4px rgb(105, 226, 224) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.7778, 0.2453, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 226, 224) }
```

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

```
.background{ background-color: rgb(105,  
226, 224) }
```

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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