

# Converting Colors

$Yxy(64.0658, 0.2460, 0.3200)$

Have a look what the booklet for  
Yxy(64.0658, 0.2460, 0.3200)  
contains.

<b>Yxy(64.0578, 0.2460, 0.3200)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.0578, 0.2460, 0.3200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75E2E9
RGB	117, 226, 233
RGB Percent	46%, 89%, 91%
CMY	0.5411, 0.1137, 0.0862
CMYK	0.50, 0.03, 0.00, 0.09
HSL	184°, 73%, 69%
HSV	184°, 50%, 91%
XYZ	49.2444, 64.0578, 86.8784
YIQ	194.2070, -67.2110, -20.9310

# Conversions

## Conversions Part 2

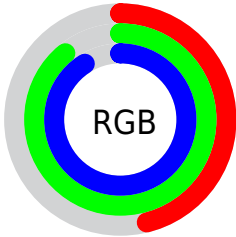
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 173, 233
Decimal	7725801
CIELab	84.00, -29.43, -13.09
CIELCh	84, 32.214, 203.985
Yxy	64.0578, 0.2460, 0.3200
Android (android.graphics.Color)	4285915881 (0xFF75E2E9)
YUV	194.2070, 19.1249, -67.7105
Hunter-Lab	80.0361, -30.2361, -8.3334

# Details

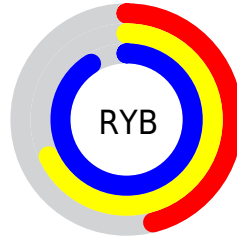
The Yxy color **64.0578, 0.2460, 0.3200** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.0391, 0.4495, 0.3372**, and the grayscale version is **53.9963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **32.6807, 0.2306, 0.3170** is the 20% darker color. If you saturate the color by 10%, you get **61.8773, 0.2369, 0.3179**, and if you desaturate by 10%, it is **66.6512, 0.2568, 0.3220**.

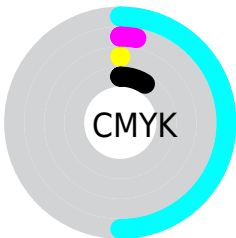
# Distribution



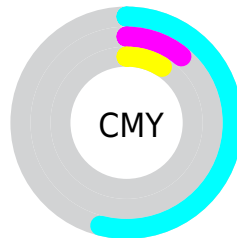
- Red (46%)
- Green (89%)
- Blue (91%)



- Red (46%)
- Yellow (68%)
- Blue (91%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (54%)
- Magenta (11%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0578, 0.2460, 0.3200 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 64.0578, 0.2460, 0.3200 by changing the saturation by 10% instead.




 64.0578, 0.2460,  
0.3200


 64.0578, 0.2460,  
0.3200

439.3983, 0.2768,  
0.3251


 46.6975, 0.2390,  
0.3186


 110.6942, 0.2567,  
0.3219

 32.7966, 0.2304,  
0.3168


 140.7390, 0.2608,  
0.3226

 21.9707, 0.2196,  
0.3143


 175.7808, 0.2644,  
0.3232

 13.8353, 0.2055,  
0.3107

216.2040, 0.2675,  
0.3237

 8.0062, 0.1867,  
0.3052

262.3930, 0.2703,  
0.3241

 4.0989, 0.1605,  
0.2962

314.7321, 0.2727,

 1.7291, 0.1219,

0.3245

0.2794

373.6057, 0.2749,  
0.3248

■ 0.4424, 0.0000,  
0.2319

■ 0.0000, 0.0000,  
0.0000

■ 64.0578, 0.2460,  
0.3200

■ 64.0578, 0.2460,  
0.3200

■ 61.8773, 0.2369,  
0.3179

■ 66.6512, 0.2568,  
0.3220

■ 60.0720, 0.2298,  
0.3159


■ 69.6775, 0.2692,  
0.3239

■ 58.6095, 0.2246,  
0.3138


■ 73.1640, 0.2829,  
0.3258

■ 57.4488, 0.2213,  
0.3118

■ 77.1336, 0.2977,  
0.3275


 56.5209, 0.2194,  
0.3098


 81.6077, 0.3131,  
0.3290

 56.5017, 0.2194,  
0.3097

 86.2574, 0.3276,  
0.3305

 87.0665, 0.3275,  
0.3318

 87.8819, 0.3273,  
0.3332

 88.7038, 0.3272,  
0.3346

# Harmonies

## Analogous

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



64.0578, 0.2712, 0.3597



64.0578, 0.2460, 0.3200



64.0578, 0.2379, 0.2864

# Triad

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



64.0578, 0.2460, 0.3200



64.0578, 0.3129, 0.2761



64.0578, 0.3800, 0.3905

# Complementary

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



64.0578, 0.2460, 0.3200



33.0391, 0.4495, 0.3372

# 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.



64.0578, 0.3936, 0.3640



64.0578, 0.2460, 0.3200



64.0578, 0.3536, 0.3001

# Square

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



64.0578, 0.2460, 0.3200



64.0578, 0.2746, 0.2641



64.0578, 0.3840, 0.3314



64.0578, 0.3483, 0.4020

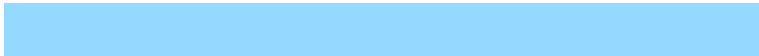


# Rectangle

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



64.0578, 0.2460, 0.3200



64.0578, 0.2426, 0.2717



64.0578, 0.3840, 0.3314



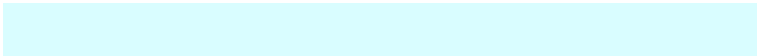
64.0578, 0.3869, 0.3829

# Sweetspot

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



64.0603, 0.2460, 0.3200



91.9841, 0.2898, 0.3266



63.5013, 0.3025, 0.4797



19.4713, 0.2867, 0.3262



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.



64.0603, 0.2460, 0.3200



75.7938, 0.2365, 0.3178



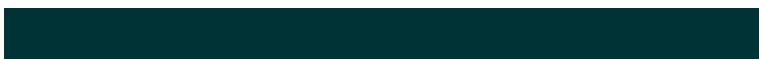
38.1260, 0.2311, 0.2429



16.9564, 0.2981, 0.3275



32.1191, 0.2195, 0.3100



2.5696, 0.2202, 0.3128



# Inverse Universe

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



35.5455, 0.3250, 0.2151



37.4002, 0.3279, 0.1959



51.5883, 0.4136, 0.4003



15.2971, 0.3147, 0.3072



12.7352, 0.3367, 0.1628



1.0048, 0.3343, 0.1615



# Previews

## White Background



This preview shows how the Yxy color 64.0578, 0.2460, 0.3200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

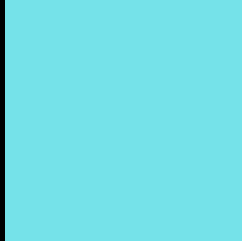
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0578, 0.2460, 0.3200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

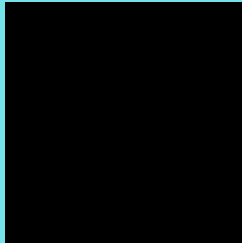
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.0578, 0.2460, 0.3200**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0578, 0.2460, 0.3200.

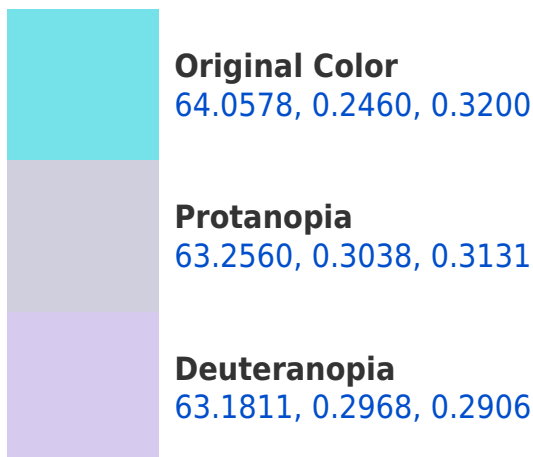


This preview shows how white text looks on a background with the Yxy color 64.0578, 0.2460, 0.3200.

# 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

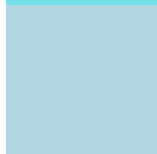
63.7754, 0.2422, 0.3054

# Trichromacy



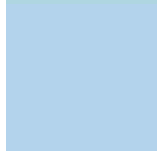
## Original Color

64.0578, 0.2460, 0.3200



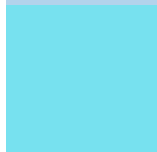
## Protanomaly

62.6433, 0.2789, 0.3158



## Deuteranomaly

62.2284, 0.2747, 0.2997



## Tritanomaly

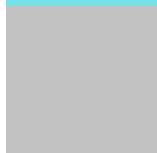
64.0044, 0.2439, 0.3115

# Monochromacy



## Original Color

64.0578, 0.2460, 0.3200



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

56.8037, 0.2826, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0578, 0.2460, 0.3200 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(117, 226, 233)` looks like.

```
.text, #text, p{  
    color:rgb(117, 226, 233)  
}
```

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(117, 226, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 226, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0578, 0.2460, 0.3200 is called "border". The border property can be set on classes, ids or directly on the HTML element.

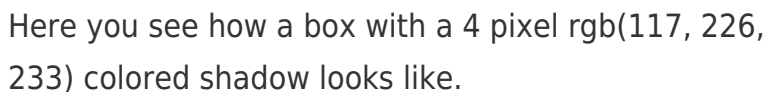
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 226, 233) }
```

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

```
.border{ border-color:rgb(117, 226, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 226, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 226, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 226, 233); box-shadow:4px 4px 4px 4px rgb(117, 226, 233) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0578, 0.2460, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 226, 233) }
```

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

```
.background{ background-color: rgb(117,  
226, 233) }
```

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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