

# Converting Colors

$Yxy(61.3034, 0.2455, 0.3340)$

Have a look what the booklet for  
Yxy(61.3034, 0.2455, 0.3340)  
contains.

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# Color

**Yxy(61.3034, 0.2455, 0.3340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66E0DC
RGB	102, 224, 220
RGB Percent	40%, 88%, 86%
CMY	0.5998, 0.1216, 0.1372
CMYK	0.54, 0.00, 0.02, 0.12
HSL	178°, 66%, 64%
HSV	178°, 54%, 88%
XYZ	45.0598, 61.3034, 77.1799
YIQ	187.0660, -71.4280, -27.1080

# Conversions

## Conversions Part 2

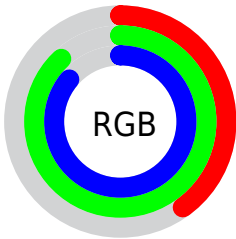
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	102, 164, 224
Decimal	6742236
CIE Lab	82.54, -34.88, -8.43
CIE LCh	83, 35.881, 193.581
Yxy	61.3034, 0.2455, 0.3340
Android (android.graphics.Color)	4284932316 (0xFF66E0DC)
YUV	187.0660, 16.2365, -74.6029
Hunter-Lab	78.2965, -34.2916, -3.6369

# Details

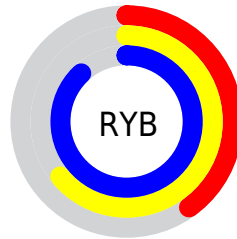
The Yxy color **61.3034, 0.2455, 0.3340** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.4027, 0.4690, 0.3250**, and the grayscale version is **49.6801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **30.9549, 0.2293, 0.3341** is the 20% darker color. If you saturate the color by 10%, you get **60.1296, 0.2383, 0.3351**, and if you desaturate by 10%, it is **62.8357, 0.2546, 0.3330**.

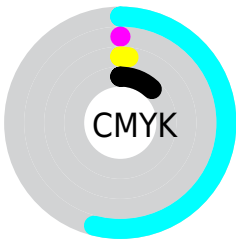
# Distribution



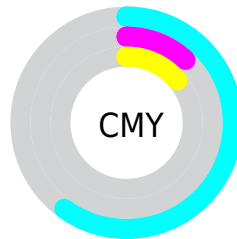
- Red (40%)
- Green (88%)
- Blue (86%)



- Red (40%)
- Yellow (64%)
- Blue (88%)



- Cyan (54%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)




- Cyan (60%)
- Magenta (12%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3034, 0.2455, 0.3340 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 61.3034, 0.2455, 0.3340 by changing the saturation by 10% instead.





 61.3034, 0.2455,  
0.3340


 61.3034, 0.2455,  
0.3340


429.3856, 0.2769,  
0.3323

 44.4701, 0.2383,  
0.3342

 106.7181, 0.2564,  
0.3336

 31.0402, 0.2293,  
0.3343


 136.0683, 0.2607,  
0.3334

 20.6295, 0.2180,  
0.3344


 170.3595, 0.2643,  
0.3332

 12.8534, 0.2032,  
0.3341

209.9762, 0.2675,  
0.3330

 7.3277, 0.1832,  
0.3331

255.3028, 0.2703,  
0.3328

 3.6679, 0.1549,  
0.3304

306.7236, 0.2728,

 1.4896, 0.1026,

0.3326

364.6231, 0.2750,  
0.3325

0.3264

0.2814, 0.0000,  
0.2391

0.0000, 0.0000,  
0.0000

61.3034, 0.2455,  
0.3340

61.3034, 0.2455,  
0.3340

60.1296, 0.2383,  
0.3351

62.8357, 0.2546,  
0.3330

59.2779, 0.2330,  
0.3361


64.7453, 0.2655,  
0.3320


58.7170, 0.2296,  
0.3372

67.0581, 0.2778,  
0.3310

58.4054, 0.2279,  
0.3383

69.7957, 0.2915,  
0.3301


 58.3028, 0.2275,  
0.3388

 72.9781, 0.3060,  
0.3293

 76.6242, 0.3212,  
0.3286

 80.0127, 0.3340,  
0.3279

 80.0527, 0.3335,  
0.3272

 80.0928, 0.3330,  
0.3265

# Harmonies

## Analogous

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



61.3034, 0.2791, 0.3784



61.3034, 0.2455, 0.3340



61.3034, 0.2297, 0.2921

# Triad

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



61.3034, 0.2455, 0.3340



61.3034, 0.2968, 0.2635



61.3034, 0.3966, 0.3888

# Complementary

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



61.3034, 0.2455, 0.3340



26.4027, 0.4690, 0.3250

# 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.



61.3034, 0.4035, 0.3552



61.3034, 0.2455, 0.3340



61.3034, 0.3434, 0.2860

# Square

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



61.3034, 0.2455, 0.3340



61.3034, 0.2575, 0.2555



61.3034, 0.3837, 0.3186



61.3034, 0.3666, 0.4096

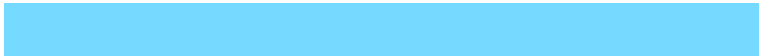


# Rectangle

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



61.3034, 0.2455, 0.3340



61.3034, 0.2304, 0.2719



61.3034, 0.3837, 0.3186



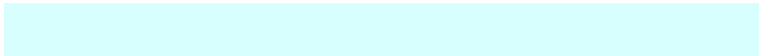
61.3034, 0.4018, 0.3785

# Sweetspot

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



61.3058, 0.2455, 0.3340



92.9808, 0.2891, 0.3303



57.3415, 0.3067, 0.5023



19.7328, 0.2862, 0.3305



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.



61.3058, 0.2455, 0.3340



80.5329, 0.2376, 0.3352



35.8813, 0.2270, 0.2485



15.5642, 0.2986, 0.3297



33.9413, 0.2274, 0.3387



2.3551, 0.2270, 0.3370



# Inverse Universe

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



26.4027, 0.4690, 0.3250



29.2664, 0.5205, 0.3249



41.5909, 0.4323, 0.3948



13.7077, 0.3287, 0.3283



9.2369, 0.6364, 0.3280

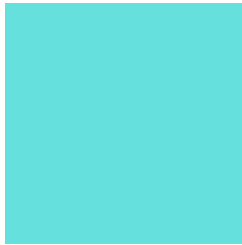


0.6428, 0.6259, 0.3222



# Previews

## White Background



This preview shows how the Yxy color 61.3034, 0.2455, 0.3340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

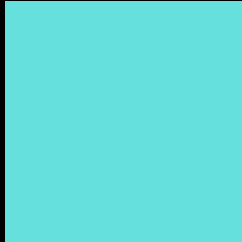
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.3034, 0.2455, 0.3340 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 61.3034, 0.2455, 0.3340**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.3034, 0.2455, 0.3340.

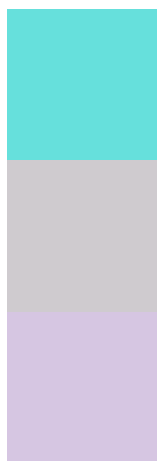


This preview shows how white text looks on a background with the Yxy color 61.3034, 0.2455, 0.3340.

# 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



### Original Color

61.3034, 0.2455, 0.3340

### Protanopia

60.4823, 0.3129, 0.3244

### Deuteranopia

60.1753, 0.3050, 0.2977



## Tritanopia

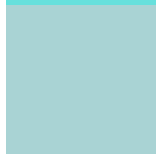
61.1961, 0.2388, 0.3061

# Trichromacy



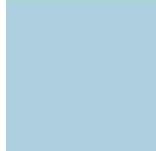
## Original Color

61.3034, 0.2455, 0.3340



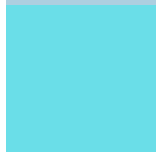
## Protanomaly

59.7770, 0.2825, 0.3277



## Deuteranomaly

58.8917, 0.2775, 0.3084



## Tritanomaly

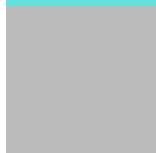
61.1329, 0.2410, 0.3160

# Monochromacy



## Original Color

61.3034, 0.2455, 0.3340



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

52.5000, 0.2810, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.3034, 0.2455, 0.3340 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(102, 224, 220)` looks like.

```
.text, #text, p{  
    color:rgb(102, 224, 220)  
}
```

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(102, 224, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 224, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 61.3034, 0.2455, 0.3340 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(102, 224, 220) }
```

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

```
.border{ border-color:rgb(102, 224, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 224, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 224, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 224, 220);  
box-shadow:4px 4px 4px 4px rgb(102, 224,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.3034, 0.2455, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 224, 220) }
```

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

```
.background{ background-color: rgb(102,  
224, 220) }
```

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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