

# Converting Colors

$Yxy(61.9994, 0.2345, 0.3627)$

Have a look what the booklet for  
Yxy(61.9994, 0.2345, 0.3627)  
contains.

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# Color

**Yxy(62.2763, 0.2347, 0.3633)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09E8CF
RGB	9, 232, 207
RGB Percent	4%, 91%, 81%
CMY	0.9631, 0.0902, 0.1884
CMYK	0.96, 0.00, 0.11, 0.09
HSL	173°, 92%, 47%
HSV	173°, 96%, 91%
XYZ	40.2319, 62.2763, 68.9102
YIQ	162.4730, -124.8830, -55.0510

# Conversions

## Conversions Part 2

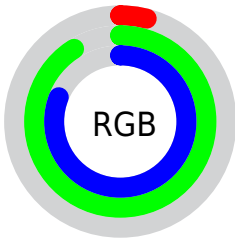
Format	Color
<b>RYB</b>	9, 127, 232
Decimal	649423
CIELab	83.06, -51.57, -0.92
CIELCh	83, 51.574, 181.022
Yxy	62.2763, 0.2347, 0.3633
Android (android.graphics.Color)	4278839503 (0xFF09E8CF)
YUV	162.4730, 21.9518, -134.5958
Hunter-Lab	78.9153, -47.1006, 3.4677

# Details

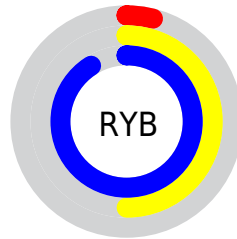
The Yxy color **62.2763, 0.2347, 0.3633** is a dark color, and the websafe version is hex **66FFCC**. The color can be described as middle washed cyan. A complement of this color would be **17.4786, 0.6202, 0.3219**, and the grayscale version is **36.3636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **32.9599, 0.2357, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **62.1663, 0.2347, 0.3649**, and if you desaturate by 10%, it is **62.6636, 0.2355, 0.3594**.

# Distribution



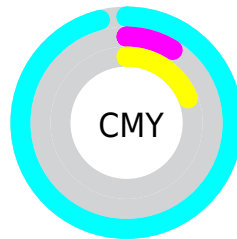
- Red (4%)
- Green (91%)
- Blue (81%)



- Red (4%)
- Yellow (50%)
- Blue (91%)



- Cyan (96%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)




- Cyan (96%)
- Magenta (9%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2763, 0.2347, 0.3633 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 62.2763, 0.2347, 0.3633 by changing the saturation by 10% instead.




 62.2763, 0.2347,  
0.3633


 62.2763, 0.2347,  
0.3633


432.9382, 0.2713,  
0.3473

 45.2560, 0.2263,  
0.3670


 108.1248, 0.2475,  
0.3577


 31.6591, 0.2158,  
0.3715


 137.7217, 0.2524,  
0.3556


 21.1013, 0.2026,  
0.3772


 172.2797, 0.2567,  
0.3537

 13.1980, 0.1853,  
0.3845

 212.1830, 0.2604,  
0.3521

 7.5651, 0.1621,  
0.3944

 257.8161, 0.2636,  
0.3507

 3.8179, 0.1294,  
0.4079

309.5635, 0.2665,

 1.5722, 0.0330,

0.3494

0.4498

367.8094, 0.2690,  
0.3483

■ 0.3388, 0.0000,  
0.4388

■ 0.0000, 0.0000,  
0.0000

■ 62.2763, 0.2347,  
0.3633

■ 62.2763, 0.2347,  
0.3633

■ 62.1663, 0.2347,  
0.3649

■ 62.6636, 0.2355,  
0.3594

■ 63.3128, 0.2380,  
0.3555

■ 64.2732, 0.2424,  
0.3516

■ 65.5827, 0.2488,  
0.3477

67.2738, 0.2571,  
0.3439

69.3753, 0.2671,  
0.3403

71.9132, 0.2784,  
0.3368

74.9113, 0.2910,  
0.3336

78.3918, 0.3044,  
0.3306

# Harmonies

## Analogous

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



62.2763, 0.2884, 0.4242



62.2763, 0.2347, 0.3633



62.2763, 0.2035, 0.2972

# Triad

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



62.2763, 0.2347, 0.3633



62.2763, 0.2643, 0.2320



62.2763, 0.4402, 0.3905

# Complementary

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



62.2763, 0.2347, 0.3633



17.4786, 0.6202, 0.3219

# 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.



62.2763, 0.4355, 0.3410



62.2763, 0.2347, 0.3633



62.2763, 0.3273, 0.2548

# Square

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



62.2763, 0.2347, 0.3633



62.2763, 0.2194, 0.2294



62.2763, 0.3925, 0.2933



62.2763, 0.4080, 0.4320

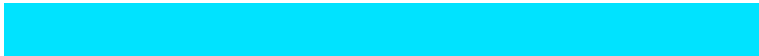


# Rectangle

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



62.2763, 0.2347, 0.3633



62.2763, 0.1974, 0.2632



62.2763, 0.3925, 0.2933



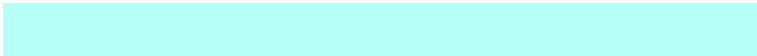
62.2763, 0.4431, 0.3743

# Sweetspot

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



62.2787, 0.2347, 0.3633



88.0457, 0.2747, 0.3379



58.0992, 0.3033, 0.5950



18.5586, 0.2698, 0.3394



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.



62.2787, 0.2347, 0.3633



77.0286, 0.2347, 0.3651



26.6541, 0.1901, 0.2021



16.3070, 0.2996, 0.3316



34.5234, 0.2345, 0.3642



2.5592, 0.2329, 0.3586



# Inverse Universe

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



17.4786, 0.6202, 0.3219



21.3471, 0.6293, 0.3240



25.3143, 0.5675, 0.3841



14.3942, 0.3275, 0.3264



9.5750, 0.6261, 0.3223

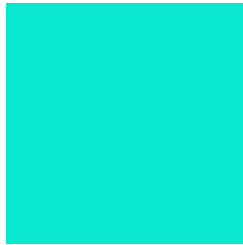


0.7164, 0.5963, 0.3058



# Previews

## White Background



This preview shows how the Yxy color 62.2763, 0.2347, 0.3633 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

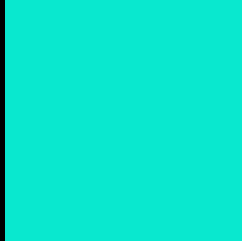
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2763, 0.2347, 0.3633 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

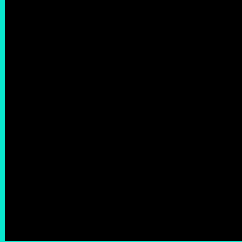
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.2763, 0.2347, 0.3633**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2763, 0.2347, 0.3633.

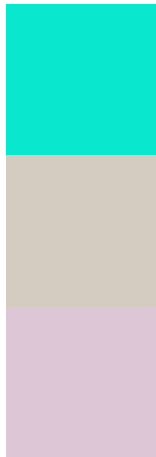


This preview shows how white text looks on a background with the Yxy color 62.2763, 0.2347, 0.3633.

# 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

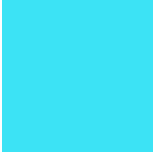
62.2763, 0.2347, 0.3633

### Protanopia

60.9886, 0.3276, 0.3430

### Deuteranopia

61.0740, 0.3190, 0.3123



## Tritanopia

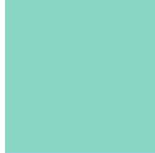
62.4914, 0.2242, 0.3058

# Trichromacy



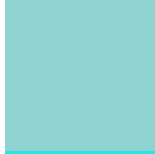
## Original Color

62.2763, 0.2347, 0.3633



## Protanomaly

57.5276, 0.2725, 0.3514



## Deuteranomaly

57.2210, 0.2676, 0.3289



## Tritanomaly

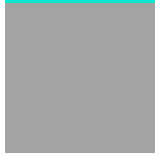
62.3004, 0.2272, 0.3261

# Monochromacy



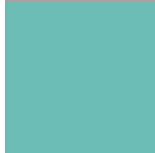
## Original Color

62.2763, 0.2347, 0.3633



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

42.3469, 0.2603, 0.3425

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2763, 0.2347, 0.3633 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(9, 232, 207)` looks like.

```
.text, #text, p{  
    color:rgb(9, 232, 207)  
}
```

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(9, 232, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 232, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2763, 0.2347, 0.3633 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(9, 232, 207) }
```

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

```
.border{ border-color:rgb(9, 232, 207) }
```

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

Here you see how a box with a 4 pixel rgb(9, 232, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 232, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 232, 207);  
box-shadow:4px 4px 4px 4px rgb(9, 232,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2763, 0.2347, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 232, 207) }
```

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

```
.background{ background-color: rgb(9, 232,  
207) }
```

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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