

# Converting Colors

$Y_{xy}(60.3615, 0.2265, 0.3261)$

Have a look what the booklet for  
Yxy(60.3615, 0.2265, 0.3261)  
contains.

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# Color

**Yxy(60.3692, 0.2265, 0.3261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24E2E4
RGB	36, 226, 228
RGB Percent	14%, 89%, 89%
CMY	0.8579, 0.1137, 0.1060
CMYK	0.84, 0.01, 0.00, 0.11
HSL	181°, 78%, 52%
HSV	181°, 84%, 89%
XYZ	41.9308, 60.3692, 82.8248
YIQ	169.4180, -113.8820, -39.6580

# Conversions

## Conversions Part 2

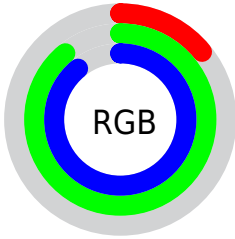
Format	Color
R <sub>Y</sub> B	36, 131, 228
Decimal	2417380
CIE Lab	82.04, -41.95, -13.54
CIE LCh	82, 44.081, 197.886
Yxy	60.3692, 0.2265, 0.3261
Android (android.graphics.Color)	4280607460 (0xFF24E2E4)
YUV	169.4180, 28.8809, -117.0076
Hunter-Lab	77.6976, -39.6404, -8.8142

# Details

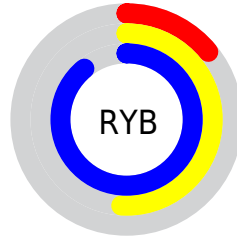
The Yxy color **60.3692, 0.2265, 0.3261** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.0200, 0.6062, 0.3309**, and the grayscale version is **39.8263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **31.7666, 0.2232, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **59.9530, 0.2244, 0.3258**, and if you desaturate by 10%, it is **61.0512, 0.2303, 0.3264**.

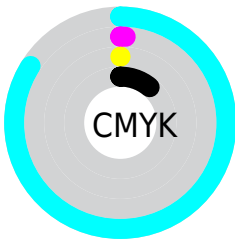
# Distribution



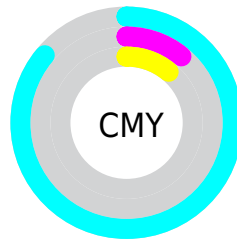
- Red (14%)
- Green (89%)
- Blue (89%)



- Red (14%)
- Yellow (51%)
- Blue (89%)



- Cyan (84%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)




- Cyan (86%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3692, 0.2265, 0.3261 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 60.3692, 0.2265, 0.3261 by changing the saturation by 10% instead.



 60.3692, 0.2265,  
0.3261


 60.3692, 0.2265,  
0.3261


425.9573, 0.2665,  
0.3288

 43.7163, 0.2174,  
0.3251

 105.3651, 0.2403,  
0.3273


 30.4475, 0.2063,  
0.3237


 134.4768, 0.2457,  
0.3277


 20.1785, 0.1924,  
0.3216


 168.5102, 0.2504,  
0.3280

 12.5249, 0.1745,  
0.3183

 207.8498, 0.2544,  
0.3282

 7.1022, 0.1508,  
0.3128

 252.8799, 0.2580,  
0.3284

 3.5261, 0.1186,  
0.3027

303.9849, 0.2611,

 1.4122, 0.0497,

0.3286

0.2894

361.5493, 0.2639,  
0.3287

■ 0.2257, 0.0000,  
0.1571

■ 0.0000, 0.0000,  
0.0000

■ 60.3692, 0.2265,  
0.3261

■ 60.3692, 0.2265,  
0.3261

■ 59.9530, 0.2244,  
0.3258

■ 61.0512, 0.2303,  
0.3264

■ 59.7886, 0.2238,  
0.3256

■ 62.0352, 0.2360,  
0.3268

■ 63.3584, 0.2436,  
0.3272

■ 65.0513, 0.2531,  
0.3275

67.1408, 0.2644,  
0.3279

69.6515, 0.2772,  
0.3282

72.6058, 0.2913,  
0.3286

76.0246, 0.3063,  
0.3289

79.9275, 0.3220,  
0.3292

# Harmonies

## Analogous

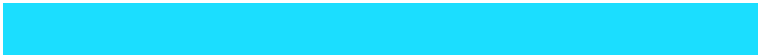
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.3692, 0.2639, 0.3834



60.3692, 0.2265, 0.3261



60.3692, 0.2115, 0.2766

# Triad

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



60.3692, 0.2265, 0.3261



60.3692, 0.3006, 0.2529



60.3692, 0.4115, 0.4058

# Complementary

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



60.3692, 0.2265, 0.3261



18.0200, 0.6062, 0.3309

# 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.



60.3692, 0.4256, 0.3656



60.3692, 0.2265, 0.3261



60.3692, 0.3583, 0.2817

# Square

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



60.3692, 0.2265, 0.3261



60.3692, 0.2510, 0.2403



60.3692, 0.4059, 0.3215



60.3692, 0.3708, 0.4302



# Rectangle

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



60.3692, 0.2265, 0.3261



60.3692, 0.2146, 0.2547



60.3692, 0.4059, 0.3215



60.3692, 0.4197, 0.3934

# Sweetspot

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



60.3714, 0.2265, 0.3261



89.4293, 0.2758, 0.3282



55.9836, 0.3007, 0.5846



18.8875, 0.2711, 0.3281



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.



60.3714, 0.2265, 0.3261



77.0706, 0.2238, 0.3256



22.5124, 0.1885, 0.1845



16.3095, 0.2982, 0.3287



34.5430, 0.2238, 0.3256



2.5609, 0.2239, 0.3261



# Inverse Universe

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



23.2580, 0.3228, 0.1620



28.3115, 0.3236, 0.1556



33.1521, 0.5093, 0.4161



14.6125, 0.3140, 0.3061



12.6849, 0.3235, 0.1556

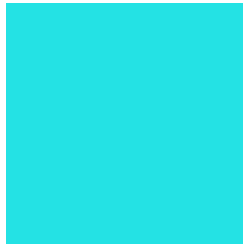


0.9382, 0.3231, 0.1554



# Previews

## White Background



This preview shows how the Yxy color 60.3692, 0.2265, 0.3261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

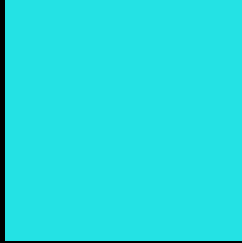
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.3692, 0.2265, 0.3261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

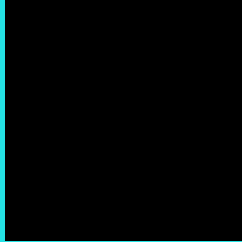
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.3692, 0.2265, 0.3261**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.3692, 0.2265, 0.3261.

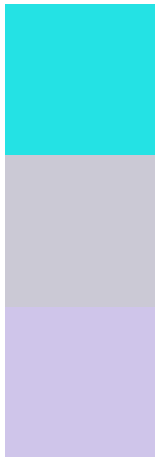


This preview shows how white text looks on a background with the Yxy color 60.3692, 0.2265, 0.3261.

# 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

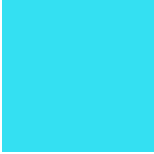
60.3692, 0.2265, 0.3261

### Protanopia

59.2739, 0.3057, 0.3150

### Deuteranopia

59.1384, 0.2943, 0.2874



## **Tritanopia**

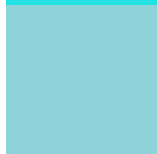
60.4522, 0.2228, 0.3055

# Trichromacy



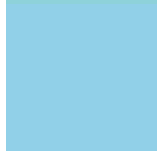
## Original Color

60.3692, 0.2265, 0.3261



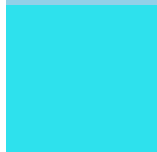
## Protanomaly

56.9059, 0.2623, 0.3186



## Deuteranomaly

56.9577, 0.2561, 0.2990



## Tritanomaly

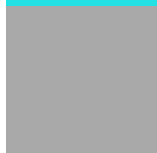
60.5457, 0.2241, 0.3130

# Monochromacy



## Original Color

60.3692, 0.2265, 0.3261



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

44.6096, 0.2624, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.3692, 0.2265, 0.3261 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(36, 226, 228)` looks like.

```
.text, #text, p{  
  color:rgb(36, 226, 228)  
}
```

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(36, 226, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 226, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 60.3692, 0.2265, 0.3261 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(36, 226, 228) }
```

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

```
.border{ border-color:rgb(36, 226, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 226, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 226, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 226, 228);  
box-shadow:4px 4px 4px 4px rgb(36, 226,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.3692, 0.2265, 0.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 226, 228) }
```

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

```
.background{ background-color: rgb(36, 226,  
228) }
```

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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