

# Converting Colors

$Yxy(61.0516, 0.2228, 0.3056)$

Have a look what the booklet for  
Yxy(61.0516, 0.2228, 0.3056)  
contains.

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# Color

**Yxy(61.0516, 0.2228, 0.3056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34E1F3
RGB	52, 225, 243
RGB Percent	20%, 88%, 95%
CMY	0.7967, 0.1176, 0.0471
CMYK	0.79, 0.07, 0.00, 0.05
HSL	186°, 89%, 58%
HSV	186°, 79%, 95%
XYZ	44.5101, 61.0516, 94.2144
YIQ	175.3250, -108.8860, -31.0780

# Conversions

## Conversions Part 2

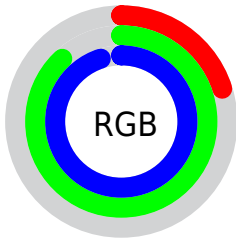
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	52, 143, 243
Decimal	3465715
CIE Lab	82.41, -35.89, -20.92
CIE LCh	82, 41.538, 210.235
Yxy	61.0516, 0.2228, 0.3056
Android (android.graphics.Color)	4281655795 (0xFF34E1F3)
YUV	175.3250, 33.3638, -108.1560
Hunter-Lab	78.1355, -35.0541, -16.7960

# Details

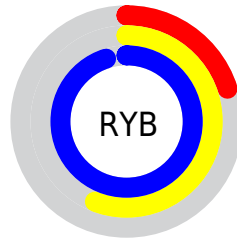
The Yxy color **61.0516, 0.2228, 0.3056** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **23.6552, 0.5752, 0.3423**, and the grayscale version is **42.8918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **31.9638, 0.2163, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **59.3415, 0.2189, 0.3024**, and if you desaturate by 10%, it is **63.1137, 0.2286, 0.3089**.

# Distribution



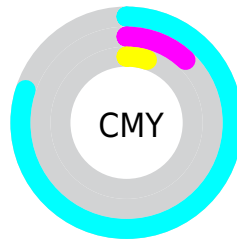
- Red (20%)
- Green (88%)
- Blue (95%)



- Red (20%)
- Yellow (56%)
- Blue (95%)



- Cyan (79%)
- Magenta (7%)
- Yellow (0%)
- Black (5%)




- Cyan (80%)
- Magenta (12%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.0516, 0.2228, 0.3056 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 61.0516, 0.2228, 0.3056 by changing the saturation by 10% instead.





 61.0516, 0.2228,  
0.3056

 61.0516, 0.2228,  
0.3056

428.4632, 0.2641,  
0.3182


 44.2668, 0.2136,  
0.3023

 106.3536, 0.2370,  
0.3103


 30.8803, 0.2023,  
0.2980


 135.6397, 0.2425,  
0.3120

 20.5077, 0.1882,  
0.2923


 169.8616, 0.2474,  
0.3135

 12.7647, 0.1704,  
0.2843

 209.4038, 0.2515,  
0.3147

 7.2667, 0.1470,  
0.2725

254.6507, 0.2552,  
0.3158

 3.6294, 0.1160,  
0.2540

305.9866, 0.2585,

 1.4685, 0.0656,

0.3167

0.2244

363.7960, 0.2614,  
0.3175

0.2664, 0.0000,  
0.1183

0.0000, 0.0000,  
0.0000

61.0516, 0.2228,  
0.3056

61.0516, 0.2228,  
0.3056

59.3415, 0.2189,  
0.3024

63.1137, 0.2286,  
0.3089

57.9116, 0.2166,  
0.2992

65.5658, 0.2364,  
0.3122

57.7296, 0.2163,  
0.2987

68.4483, 0.2461,  
0.3154

71.7944, 0.2575,  
0.3185

75.6339, 0.2704,  
0.3215

79.9944, 0.2844,  
0.3243

84.9010, 0.2993,  
0.3269

90.3774, 0.3148,  
0.3293

93.3795, 0.3204,  
0.3315

# Harmonies

## Analogous

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



61.0516, 0.2501, 0.3584



61.0516, 0.2228, 0.3056



61.0516, 0.2177, 0.2660

# Triad

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



61.0516, 0.2228, 0.3056



61.0516, 0.3237, 0.2667



61.0516, 0.3926, 0.4135

# Complementary

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



61.0516, 0.2228, 0.3056



23.6552, 0.5752, 0.3423

# 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.



61.0516, 0.4171, 0.3806



61.0516, 0.2228, 0.3056



61.0516, 0.3762, 0.2991

# Square

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



61.0516, 0.2228, 0.3056



61.0516, 0.2722, 0.2479



61.0516, 0.4116, 0.3394



61.0516, 0.3475, 0.4255

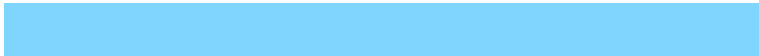


# Rectangle

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



61.0516, 0.2228, 0.3056



61.0516, 0.2268, 0.2509



61.0516, 0.4116, 0.3394



61.0516, 0.4036, 0.4042

# Sweetspot

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



61.0538, 0.2228, 0.3056



86.5673, 0.2767, 0.3228



65.2295, 0.2975, 0.5627



18.1669, 0.2717, 0.3218



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

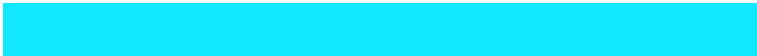


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.0538, 0.2228, 0.3056



65.3017, 0.2174, 0.3006



23.5602, 0.1877, 0.1716



18.4758, 0.2981, 0.3267



31.7983, 0.2165, 0.2992



2.8709, 0.2176, 0.3033



# Inverse Universe

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



26.9308, 0.3397, 0.1767



27.4631, 0.3448, 0.1690



45.6140, 0.4799, 0.4315



16.7399, 0.3152, 0.3078



13.3094, 0.3461, 0.1680

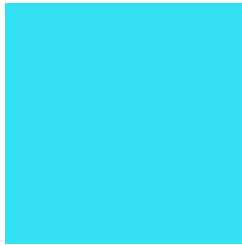


1.1775, 0.3425, 0.1661



# Previews

## White Background



This preview shows how the Yxy color 61.0516, 0.2228, 0.3056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

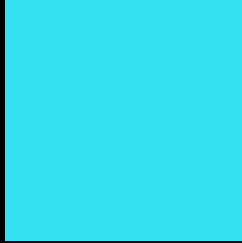
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.0516, 0.2228, 0.3056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

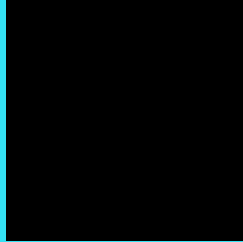
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.0516, 0.2228, 0.3056**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0516, 0.2228, 0.3056.

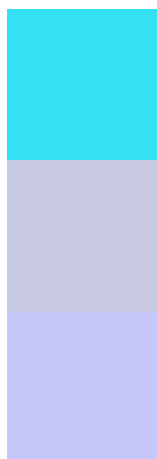


This preview shows how white text looks on a background with the Yxy color 61.0516, 0.2228, 0.3056.

# 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

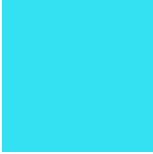
61.0516, 0.2228, 0.3056

### Protanopia

60.1219, 0.2933, 0.2992

### Deuteranopia

59.9658, 0.2798, 0.2735



## **Tritanopia**

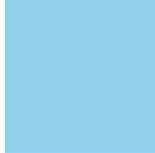
61.0516, 0.2228, 0.3056

# Trichromacy



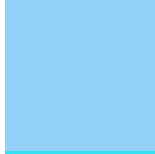
## Original Color

61.0516, 0.2228, 0.3056



## Protanomaly

58.0874, 0.2565, 0.3004



## Deuteranomaly

57.9381, 0.2490, 0.2818



## Tritanomaly

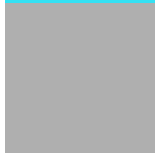
61.0516, 0.2228, 0.3056

# Monochromacy



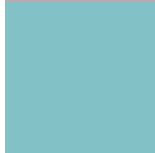
## Original Color

61.0516, 0.2228, 0.3056



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

47.0559, 0.2625, 0.3191

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0516, 0.2228, 0.3056 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(52, 225, 243)` looks like.

```
.text, #text, p{  
    color:rgb(52, 225, 243)  
}
```

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(52, 225, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 225, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0516, 0.2228, 0.3056 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(52, 225, 243) }
```

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

```
.border{ border-color:rgb(52, 225, 243) }
```

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

Here you see how a box with a 4 pixel rgb(52, 225, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 225, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 225, 243);  
box-shadow:4px 4px 4px 4px rgb(52, 225,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.0516, 0.2228, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 225, 243) }
```

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

```
.background{ background-color: rgb(52, 225,  
243) }
```

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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