

# Converting Colors

$Yxy(60.0664, 0.2313, 0.3146)$

Have a look what the booklet for  
Yxy(60.0664, 0.2313, 0.3146)  
contains.

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# Color

**Yxy(60.2782, 0.2317, 0.3157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4EDFE9
RGB	78, 223, 233
RGB Percent	31%, 87%, 91%
CMY	0.6942, 0.1255, 0.0861
CMYK	0.67, 0.04, 0.00, 0.09
HSL	184°, 78%, 61%
HSV	184°, 67%, 91%
XYZ	44.2397, 60.2782, 86.4172
YIQ	180.7850, -89.6300, -27.6300

# Conversions

## Conversions Part 2

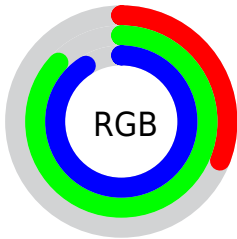
Format	Color
<a href="#">RYB</a>	<a href="#">78, 153, 233</a>
Decimal	<a href="#">5169129</a>
CIELab	<a href="#">81.99, -34.88, -16.23</a>
CIElCh	<a href="#">82, 38.466, 204.949</a>
Yxy	<a href="#">60.2782, 0.2317, 0.3157</a>
Android (android.graphics.Color)	<a href="#">4283359209 (0xFF4EDFE9)</a>
YUV	<a href="#">180.7850, 25.7420, -90.1424</a>
Hunter-Lab	<a href="#">77.6390, -34.1569, -11.6462</a>

# Details

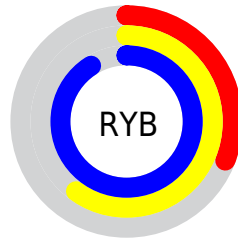
The Yxy color **60.2782, 0.2317, 0.3157** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.8612, 0.5248, 0.3391**, and the grayscale version is **45.9808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **30.8118, 0.2198, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **58.6626, 0.2258, 0.3135**, and if you desaturate by 10%, it is **62.2540, 0.2395, 0.3179**.

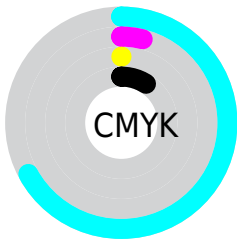
# Distribution



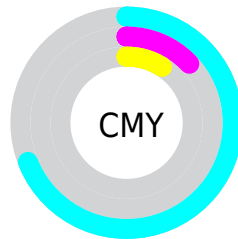
- Red (31%)
- Green (87%)
- Blue (91%)



- Red (31%)
- Yellow (60%)
- Blue (91%)



- Cyan (67%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)




- Cyan (69%)
- Magenta (13%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2782, 0.2317, 0.3157 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 60.2782, 0.2317, 0.3157 by changing the saturation by 10% instead.





 60.2782, 0.2317,  
0.3157


 60.2782, 0.2317,  
0.3157


425.6224, 0.2692,  
0.3232


 43.6429, 0.2232,  
0.3136


 105.2331, 0.2447,  
0.3186

 30.3899, 0.2127,  
0.3109


 134.3216, 0.2498,  
0.3196

 20.1347, 0.1996,  
0.3071


 168.3298, 0.2541,  
0.3205

 12.4930, 0.1827,  
0.3016

 207.6423, 0.2579,  
0.3212

 7.0804, 0.1602,  
0.2933

252.6434, 0.2613,  
0.3219

 3.5124, 0.1295,  
0.2795

303.7176, 0.2642,

 1.4047, 0.0751,

0.3224

0.2571

361.2491, 0.2669,  
0.3228

0.2202, 0.0000,  
0.1330

0.0000, 0.0000,  
0.0000

60.2782, 0.2317,  
0.3157

60.2782, 0.2317,  
0.3157

58.6626, 0.2258,  
0.3135

62.2540, 0.2395,  
0.3179

57.3616, 0.2218,  
0.3113


64.6164, 0.2492,  
0.3201

56.3287, 0.2196,  
0.3091


67.3968, 0.2607,  
0.3222

56.0053, 0.2190,  
0.3084


70.6218, 0.2735,  
0.3242

 74.3155, 0.2876,  
0.3261

 78.5004, 0.3026,  
0.3279

 83.1975, 0.3182,  
0.3295

 86.5976, 0.3275,  
0.3310

 87.4648, 0.3274,  
0.3325

# Harmonies

## Analogous

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



60.2782, 0.2609, 0.3651



60.2782, 0.2317, 0.3157



60.2782, 0.2230, 0.2757

# Triad

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



60.2782, 0.2317, 0.3157



60.2782, 0.3142, 0.2664



60.2782, 0.3930, 0.4037

# Complementary

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



60.2782, 0.2317, 0.3157



24.8612, 0.5248, 0.3391

# 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.



60.2782, 0.4111, 0.3712



60.2782, 0.2317, 0.3157



60.2782, 0.3639, 0.2951

# Square

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



60.2782, 0.2317, 0.3157



60.2782, 0.2677, 0.2515



60.2782, 0.4006, 0.3322



60.2782, 0.3537, 0.4185

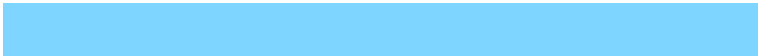


# Rectangle

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



60.2782, 0.2317, 0.3157



60.2782, 0.2291, 0.2590



60.2782, 0.4006, 0.3322



60.2782, 0.4019, 0.3942

# Sweetspot

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



60.2805, 0.2317, 0.3157



89.4902, 0.2825, 0.3255



60.5830, 0.3000, 0.5352



18.8806, 0.2785, 0.3249



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.



60.2805, 0.2317, 0.3157



71.3104, 0.2241, 0.3126



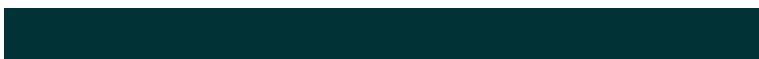
28.6078, 0.2056, 0.2071



16.9452, 0.2981, 0.3274



31.8397, 0.2191, 0.3087



2.5507, 0.2199, 0.3117



# Inverse Universe

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



28.1037, 0.3302, 0.1869



30.0266, 0.3338, 0.1716



44.1663, 0.4563, 0.4187



15.2960, 0.3148, 0.3073



12.7070, 0.3378, 0.1635

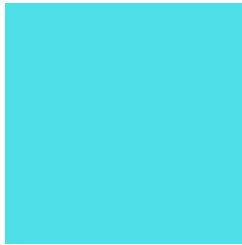


1.0029, 0.3352, 0.1620



# Previews

## White Background



This preview shows how the Yxy color 60.2782, 0.2317, 0.3157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

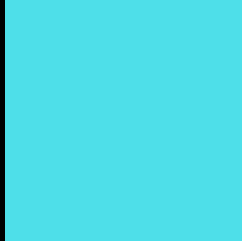
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.2782, 0.2317, 0.3157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

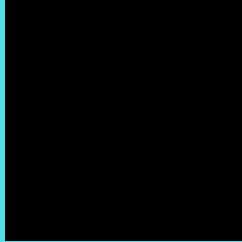
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.2782, 0.2317, 0.3157**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2782, 0.2317, 0.3157.



This preview shows how white text looks on a background with the Yxy color 60.2782, 0.2317, 0.3157.

# 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

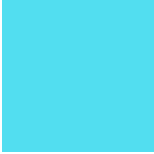
60.2782, 0.2317, 0.3157

### Protanopia

59.3053, 0.3001, 0.3081

### Deuteranopia

59.4575, 0.2888, 0.2830



## Tritanopia

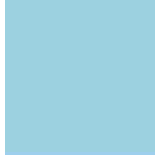
60.3277, 0.2297, 0.3057

# Trichromacy



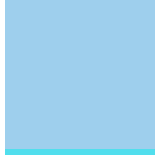
## Original Color

60.2782, 0.2317, 0.3157



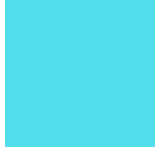
## Protanomaly

58.0507, 0.2670, 0.3103



## Deuteranomaly

58.0092, 0.2607, 0.2925



## Tritanomaly

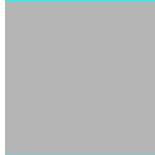
60.1063, 0.2306, 0.3094

# Monochromacy



## Original Color

60.2782, 0.2317, 0.3157



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

49.5793, 0.2719, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2782, 0.2317, 0.3157 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(78, 223, 233)` looks like.

```
.text, #text, p{  
  color:rgb(78, 223, 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(78, 223, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 223, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2782, 0.2317, 0.3157 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(78, 223, 233) }
```

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

```
.border{ border-color:rgb(78, 223, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 223, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 223, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 223, 233);  
box-shadow:4px 4px 4px 4px rgb(78, 223,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2782, 0.2317, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 223, 233) }
```

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

```
.background{ background-color: rgb(78, 223,  
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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