

# Converting Colors

$Yxy(56.4061, 0.2351, 0.3053)$

Have a look what the booklet for  
Yxy(56.4061, 0.2351, 0.3053)  
contains.

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# Color

**Yxy(56.4061, 0.2351, 0.3053)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60D6E8
RGB	96, 214, 232
RGB Percent	38%, 84%, 91%
CMY	0.6233, 0.1608, 0.0903
CMYK	0.59, 0.08, 0.00, 0.09
HSL	188°, 75%, 64%
HSV	188°, 59%, 91%
XYZ	43.4362, 56.4061, 84.9140
YIQ	180.7700, -76.1060, -19.4180

# Conversions

## Conversions Part 2

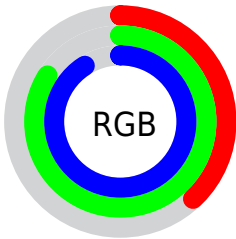
Format	Color
<b>RYB</b>	96, 159, 232
Decimal	6346472
CIELab	79.84, -27.99, -18.84
CIELCh	80, 33.744, 213.948
Yxy	56.4061, 0.2351, 0.3053
Android (android.graphics.Color)	4284536552 (0xFF60D6E8)
YUV	180.7700, 25.2564, -74.3433
Hunter-Lab	75.1040, -28.1970, -14.4616

# Details

The Yxy color **56.4061, 0.2351, 0.3053** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.0364, 0.4807, 0.3487**, and the grayscale version is **45.9785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **27.9567, 0.2166, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **53.7918, 0.2268, 0.3006**, and if you desaturate by 10%, it is **59.4250, 0.2453, 0.3099**.

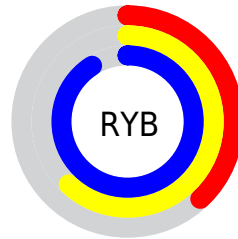
# Distribution



Red (38%)

Green (84%)

Blue (91%)



Red (38%)

Yellow (62%)

Blue (91%)

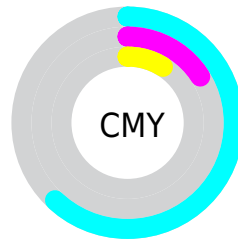


Cyan (59%)

Magenta (8%)

Yellow (0%)

Black (9%)



Cyan (62%)

Magenta (16%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4061, 0.2351, 0.3053 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 56.4061, 0.2351, 0.3053 by changing the saturation by 10% instead.





 56.4061, 0.2351,  
0.3053

 56.4061, 0.2351,  
0.3053


411.2201, 0.2715,  
0.3178

 40.5286, 0.2267,  
0.3021


 99.5981, 0.2478,  
0.3099


 27.9509, 0.2164,  
0.2979

 127.6814, 0.2527,  
0.3117

 18.2887, 0.2034,  
0.2922


 160.6021, 0.2569,  
0.3131

 11.1574, 0.1865,  
0.2843

 198.7445, 0.2606,  
0.3143

 6.1728, 0.1638,  
0.2726

242.4932, 0.2638,  
0.3154

 2.9505, 0.1324,  
0.2537

292.2324, 0.2667,

 1.1059, 0.0715,

0.3163

0.2244

348.3466, 0.2692,  
0.3171

0.0000, 0.0000,  
0.0000

56.4061, 0.2351,  
0.3053

56.4061, 0.2351,  
0.3053

53.7918, 0.2268,  
0.3006

59.4250, 0.2453,  
0.3099

51.5419, 0.2204,  
0.2959

62.8719, 0.2571,  
0.3143

49.6186, 0.2159,  
0.2913


66.7757, 0.2702,  
0.3185

47.9631, 0.2131,  
0.2867


71.1610, 0.2845,  
0.3225

47.7391, 0.2128,  
0.2860

76.0503, 0.2995,  
0.3261

 81.4649, 0.3149,  
0.3295

 86.7664, 0.3282,  
0.3325

 88.5419, 0.3279,  
0.3355

 90.3477, 0.3276,  
0.3385

# Harmonies

## Analogous

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



56.4061, 0.2565, 0.3482



56.4061, 0.2351, 0.3053



56.4061, 0.2330, 0.2735

# Triad

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



56.4061, 0.2351, 0.3053



56.4061, 0.3279, 0.2790



56.4061, 0.3762, 0.4025

# Complementary

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



56.4061, 0.2351, 0.3053



30.0364, 0.4807, 0.3487

# 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.



56.4061, 0.3988, 0.3775



56.4061, 0.2351, 0.3053



56.4061, 0.3704, 0.3081

# Square

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



56.4061, 0.2351, 0.3053



56.4061, 0.2839, 0.2613



56.4061, 0.3970, 0.3431



56.4061, 0.3372, 0.4081

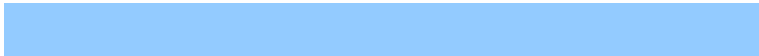


# Rectangle

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



56.4061, 0.2351, 0.3053



56.4061, 0.2423, 0.2616



56.4061, 0.3970, 0.3431



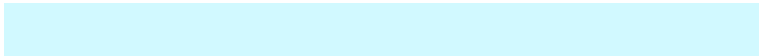
56.4061, 0.3860, 0.3958

# Sweetspot

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



56.4082, 0.2351, 0.3053



88.4999, 0.2852, 0.3226



61.3512, 0.2971, 0.4981



18.5868, 0.2809, 0.3215



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.



56.4082, 0.2351, 0.3053



66.1567, 0.2255, 0.2998



29.5445, 0.2143, 0.2110



15.9943, 0.2982, 0.3258



26.6461, 0.2130, 0.2868



2.0597, 0.2149, 0.2935



# Inverse Universe

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



30.3825, 0.3377, 0.2069



32.2906, 0.3438, 0.1903



50.5853, 0.4293, 0.4202



14.5807, 0.3158, 0.3088



11.8877, 0.3573, 0.1742

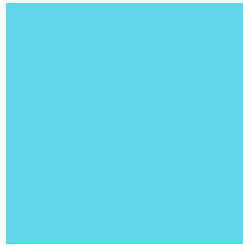


0.8876, 0.3512, 0.1708



# Previews

## White Background



This preview shows how the Yxy color 56.4061, 0.2351, 0.3053 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

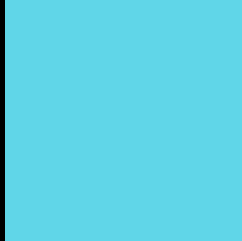
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.4061, 0.2351, 0.3053 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

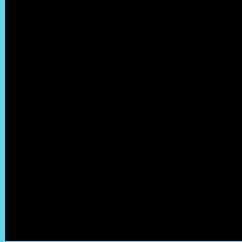
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.4061, 0.2351, 0.3053**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.4061, 0.2351, 0.3053.

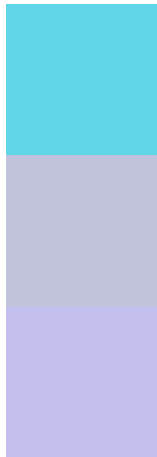


This preview shows how white text looks on a background with the Yxy color 56.4061, 0.2351, 0.3053.

# 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

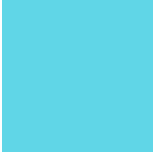
56.4061, 0.2351, 0.3053

### Protanopia

55.5350, 0.2934, 0.2993

### Deuteranopia

55.5495, 0.2841, 0.2773



## **Tritanopia**

56.3495, 0.2355, 0.3065

# Trichromacy



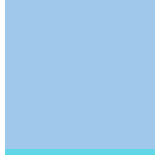
## Original Color

56.4061, 0.2351, 0.3053



## Protanomaly

54.8920, 0.2673, 0.3014



## Deuteranomaly

54.7803, 0.2619, 0.2861



## Tritanomaly

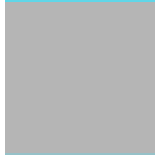
56.3495, 0.2355, 0.3065

# Monochromacy



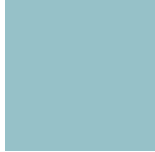
## Original Color

56.4061, 0.2351, 0.3053



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

48.7941, 0.2755, 0.3195

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.4061, 0.2351, 0.3053 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(96, 214, 232)` looks like.

```
.text, #text, p{  
    color:rgb(96, 214, 232)  
}
```

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(96, 214, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 214, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 56.4061, 0.2351, 0.3053 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(96, 214, 232) }
```

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

```
.border{ border-color:rgb(96, 214, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 214, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 214, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 214, 232);  
box-shadow:4px 4px 4px 4px rgb(96, 214,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.4061, 0.2351, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 214, 232) }
```

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

```
.background{ background-color: rgb(96, 214,  
232) }
```

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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