

Converting Colors

$Yxy(55.8589, 0.2277, 0.3098)$

Have a look what the booklet for
Yxy(55.8589, 0.2277, 0.3098)
contains.

Yxy(56.0182, 0.2278, 0.3100)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.0182, 0.2278, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	43D8E6
RGB	67, 216, 230
RGB Percent	26%, 85%, 90%
CMY	0.7366, 0.1530, 0.0980
CMYK	0.71, 0.06, 0.00, 0.10
HSL	185°, 77%, 58%
HSV	185°, 71%, 90%
XYZ	41.1643, 56.0182, 83.5213
YIQ	173.0450, -93.2980, -27.2340

Conversions

Conversions Part 2

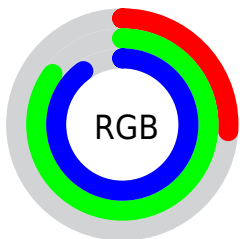
Format	Color
RYB	67, 145, 230
Decimal	4446438
CIELab	79.62, -33.88, -18.21
CIElCh	80, 38.463, 208.261
Yxy	56.0182, 0.2278, 0.3100
Android (android.graphics.Color)	4282636518 (0xFF43D8E6)
YUV	173.0450, 28.0788, -93.0015
Hunter-Lab	74.8453, -32.8057, -13.7711

Details

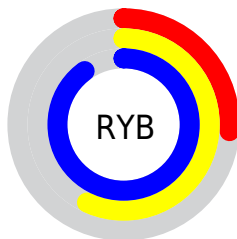
The Yxy color **56.0182, 0.2278, 0.3100** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.1501, 0.5413, 0.3422**, and the grayscale version is **41.7291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **28.5457, 0.2182, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **54.3506, 0.2225, 0.3070**, and if you desaturate by 10%, it is **58.0251, 0.2351, 0.3130**.

Distribution



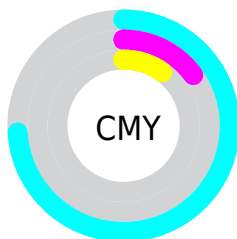
- Red (26%)
- Green (85%)
- Blue (90%)



- Red (26%)
- Yellow (57%)
- Blue (90%)



- Cyan (71%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)





- Cyan (74%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0182, 0.2278, 0.3100 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 56.0182, 0.2278, 0.3100 by changing the saturation by 10% instead.


 56.0182, 0.2278,
0.3100

 56.0182, 0.2278,
0.3100


409.7601, 0.2675,
0.3205


 40.2175, 0.2187,
0.3072


 99.0312, 0.2416,
0.3140

 27.7082, 0.2075,
0.3034


 127.0123, 0.2470,
0.3154

 18.1058, 0.1934,
0.2983


 159.8223, 0.2516,
0.3166

 11.0260, 0.1751,
0.2910

 197.8456, 0.2556,
0.3177

 6.0843, 0.1509,
0.2799

241.4667, 0.2592,
0.3185

 2.8964, 0.1177,
0.2616

291.0699, 0.2623,

 1.0779, 0.0406,

0.3193

0.2359

347.0395, 0.2650,
0.3199

■ 0.0000, 0.0000,
0.0000

■ 56.0182, 0.2278,
0.3100

■ 56.0182, 0.2278,
0.3100

■ 54.3506, 0.2225,
0.3070

■ 58.0251, 0.2351,
0.3130

■ 52.9752, 0.2190,
0.3041

■ 60.3993, 0.2443,
0.3159

■ 51.9067, 0.2171,
0.3014


■ 63.1726, 0.2552,
0.3188


■ 66.3716, 0.2677,
0.3216

■ 70.0209, 0.2814,
0.3242

 74.1428, 0.2961,
0.3266

 78.7582, 0.3115,
0.3288

 83.8868, 0.3272,
0.3309

 85.7227, 0.3296,
0.3328

Harmonies

Analogous

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



56.0182, 0.2554, 0.3604



56.0182, 0.2278, 0.3100



56.0182, 0.2214, 0.2709

Triad

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



56.0182, 0.2278, 0.3100



56.0182, 0.3199, 0.2677



56.0182, 0.3913, 0.4082

Complementary

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



56.0182, 0.2278, 0.3100



23.1501, 0.5413, 0.3422

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.



56.0182, 0.4128, 0.3762



56.0182, 0.2278, 0.3100



56.0182, 0.3703, 0.2981

Square

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



56.0182, 0.2278, 0.3100



56.0182, 0.2712, 0.2507



56.0182, 0.4055, 0.3366



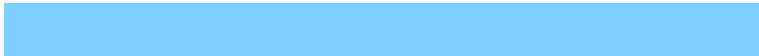
56.0182, 0.3493, 0.4209

Rectangle

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



56.0182, 0.2278, 0.3100



56.0182, 0.2292, 0.2554



56.0182, 0.4055, 0.3366



56.0182, 0.4013, 0.3991

Sweetspot

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



56.0203, 0.2278, 0.3100



88.3110, 0.2810, 0.3241



58.3959, 0.2978, 0.5416



18.6167, 0.2771, 0.3234



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.



56.0203, 0.2278, 0.3100



67.8133, 0.2206, 0.3056



24.2500, 0.1979, 0.1898



16.1127, 0.2982, 0.3269



29.4708, 0.2172, 0.3019



2.2406, 0.2184, 0.3061

Inverse Universe

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



25.8194, 0.3353, 0.1840



28.7371, 0.3400, 0.1711



43.1346, 0.4617, 0.4273



14.5927, 0.3151, 0.3078



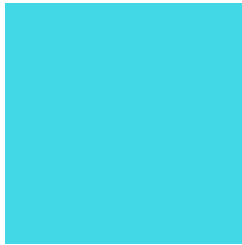
12.1728, 0.3438, 0.1667



0.9059, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 56.0182, 0.2278, 0.3100 looks on a white background.

Color Contrast Check

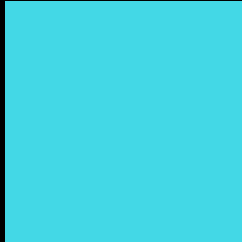
Large Text (above 18pt) WCAG AA × Fail

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 56.0182, 0.2278, 0.3100 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 56.0182, 0.2278, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 56.0182, 0.2278, 0.3100.



This preview shows how white text looks on a background with the Yxy color 56.0182, 0.2278, 0.3100.

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

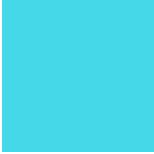
56.0182, 0.2278, 0.3100

Protanopia

54.8789, 0.2961, 0.3027

Deuteranopia

54.8619, 0.2846, 0.2782



Tritanopia

56.2601, 0.2271, 0.3062

Trichromacy



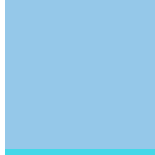
Original Color

56.0182, 0.2278, 0.3100



Protanomaly

53.6646, 0.2622, 0.3046



Deuteranomaly

53.5813, 0.2564, 0.2877



Tritanomaly

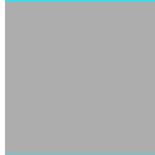
56.1669, 0.2272, 0.3075

Monochromacy



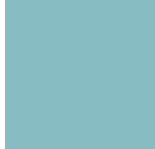
Original Color

56.0182, 0.2278, 0.3100



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.4411, 0.2686, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0182, 0.2278, 0.3100 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(67, 216, 230)` looks like.

```
.text, #text, p{  
    color:rgb(67, 216, 230)  
}
```

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(67, 216, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 216, 230) }
```

Border

The CSS property to change the border of an element to Yxy 56.0182, 0.2278, 0.3100 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(67, 216, 230) }
```

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

```
.border{ border-color:rgb(67, 216, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 216, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 216, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 216, 230);  
box-shadow:4px 4px 4px 4px rgb(67, 216,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0182, 0.2278, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 216, 230) }
```

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

```
.background{ background-color: rgb(67, 216,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor