

Converting Colors

$Y_{xy}(56.3044, 0.2252, 0.3103)$

Have a look what the booklet for
Yxy(56.3044, 0.2252, 0.3103)
contains.

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Color

Yxy(56.2075, 0.2251, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	37D9E7
RGB	55, 217, 231
RGB Percent	22%, 85%, 91%
CMY	0.7840, 0.1490, 0.0941
CMYK	0.76, 0.06, 0.00, 0.09
HSL	185°, 79%, 56%
HSV	185°, 76%, 91%
XYZ	40.8139, 56.2075, 84.2931
YIQ	170.1580, -101.0460, -29.9900

Conversions

Conversions Part 2

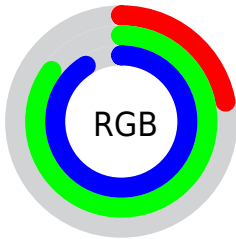
Format	Color
RYB	55, 139, 231
Decimal	3660263
CIELab	79.73, -35.42, -18.59
CIELCh	80, 40.000, 207.691
Yxy	56.2075, 0.2251, 0.3100
Android (android.graphics.Color)	4281850343 (0xFF37D9E7)
YUV	170.1580, 29.9951, -100.9936
Hunter-Lab	74.9717, -34.0266, -14.1815

Details

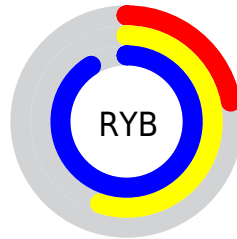
The Yxy color **56.2075, 0.2251, 0.3100** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **21.5293, 0.5661, 0.3407**, and the grayscale version is **40.1784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **28.9358, 0.2183, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **54.7599, 0.2209, 0.3073**, and if you desaturate by 10%, it is **57.9748, 0.2313, 0.3128**.

Distribution



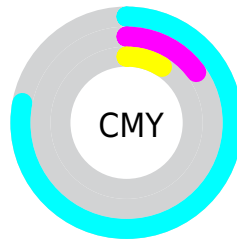
- Red (22%)
- Green (85%)
- Blue (91%)



- Red (22%)
- Yellow (55%)
- Blue (91%)



- Cyan (76%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)





- Cyan (78%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2075, 0.2251, 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 56.2075, 0.2251, 0.3100 by changing the saturation by 10% instead.

 56.2075, 0.2251,
0.3100


 56.2075, 0.2251,
0.3100


410.4730, 0.2660,
0.3206


 40.3693, 0.2158,
0.3071


 99.3079, 0.2393,
0.3140

 27.8266, 0.2043,
0.3033


 127.3389, 0.2448,
0.3155

 18.1950, 0.1898,
0.2982


 160.2030, 0.2496,
0.3167

 11.0901, 0.1712,
0.2907

 198.2845, 0.2537,
0.3177

 6.1275, 0.1466,
0.2794

241.9679, 0.2574,
0.3186

 2.9227, 0.1131,
0.2607

291.6375, 0.2606,

 1.0915, 0.0343,

0.3193

0.2349

347.6777, 0.2634,
0.3200

■ 0.0000, 0.0000,
0.0000

■ 56.2075, 0.2251,
0.3100

■ 56.2075, 0.2251,
0.3100

■ 54.7599, 0.2209,
0.3073

■ 57.9748, 0.2313,
0.3128

■ 53.5791, 0.2184,
0.3046

■ 60.0934, 0.2394,
0.3155


■ 53.1665, 0.2177,
0.3036


■ 62.5976, 0.2493,
0.3182


■ 65.5158, 0.2609,
0.3208

■ 68.8740, 0.2740,
0.3233

 72.6957, 0.2882,
0.3256

 77.0029, 0.3032,
0.3278

 81.8161, 0.3187,
0.3297

 85.6113, 0.3290,
0.3316

Harmonies

Analogous

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



56.2075, 0.2539, 0.3627



56.2075, 0.2251, 0.3100



56.2075, 0.2181, 0.2692

Triad

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



56.2075, 0.2251, 0.3100



56.2075, 0.3191, 0.2651



56.2075, 0.3948, 0.4106

Complementary

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



56.2075, 0.2251, 0.3100



21.5293, 0.5661, 0.3407

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.



56.2075, 0.4168, 0.3769



56.2075, 0.2251, 0.3100



56.2075, 0.3716, 0.2963

Square

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



56.2075, 0.2251, 0.3100



56.2075, 0.2688, 0.2478



56.2075, 0.4087, 0.3358



56.2075, 0.3514, 0.4246

Rectangle

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



56.2075, 0.2251, 0.3100



56.2075, 0.2259, 0.2530



56.2075, 0.4087, 0.3358



56.2075, 0.4051, 0.4008

Sweetspot

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



56.2096, 0.2251, 0.3100



87.5823, 0.2782, 0.3240



58.3653, 0.2984, 0.5589



18.3918, 0.2732, 0.3231



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.



56.2096, 0.2251, 0.3100



67.7054, 0.2193, 0.3058



22.8990, 0.1921, 0.1820



16.1299, 0.2982, 0.3271



29.8936, 0.2178, 0.3040



2.2675, 0.2189, 0.3079

Inverse Universe

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



24.7373, 0.3357, 0.1773



27.9585, 0.3401, 0.1675



40.6283, 0.4770, 0.4275



14.5944, 0.3150, 0.3077



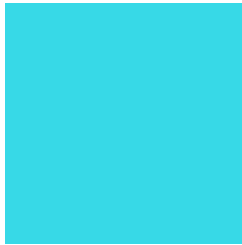
12.2155, 0.3419, 0.1657



0.9086, 0.3385, 0.1638

Previews

White Background



This preview shows how the Yxy color 56.2075, 0.2251, 0.3100 looks on a white background.

Color Contrast Check

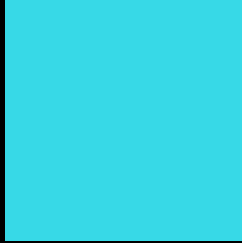
Large Text (above 18pt) WCAG AA × Fail

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 56.2075, 0.2251, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

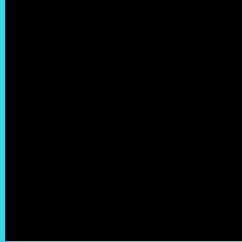
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.2075, 0.2251, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 56.2075, 0.2251, 0.3100.



This preview shows how white text looks on a background with the Yxy color 56.2075, 0.2251, 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

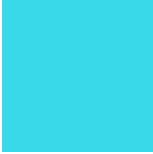
56.2075, 0.2251, 0.3100

Protanopia

55.3255, 0.2961, 0.3039

Deuteranopia

55.4158, 0.2834, 0.2772



Tritanopia

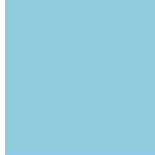
56.4658, 0.2245, 0.3062

Trichromacy



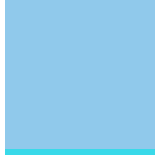
Original Color

56.2075, 0.2251, 0.3100



Protanomaly

53.7720, 0.2600, 0.3057



Deuteranomaly

53.7007, 0.2526, 0.2863



Tritanomaly

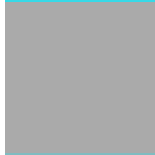
56.3788, 0.2247, 0.3074

Monochromacy



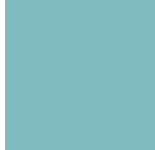
Original Color

56.2075, 0.2251, 0.3100



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.9356, 0.2650, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2075, 0.2251, 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(55, 217, 231)` looks like.

```
.text, #text, p{  
    color:rgb(55, 217, 231)  
}
```

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(55, 217, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 217, 231) }
```

Border

The CSS property to change the border of an element to Yxy 56.2075, 0.2251, 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(55, 217, 231) }
```

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

```
.border{ border-color:rgb(55, 217, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 217, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 217, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 217, 231);  
box-shadow:4px 4px 4px 4px rgb(55, 217,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2075, 0.2251, 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(55, 217, 231) }
```

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

```
.background{ background-color: rgb(55, 217,  
231) }
```

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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