

Converting Colors

$Y_{xy}(56.6190, 0.2383, 0.3274)$

Have a look what the booklet for
Yxy(56.6190, 0.2383, 0.3274)
contains.

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Color

Yxy(56.6190, 0.2383, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	55D9DA
RGB	85, 217, 218
RGB Percent	33%, 85%, 85%
CMY	0.6670, 0.1490, 0.1450
CMYK	0.61, 0.00, 0.00, 0.14
HSL	180°, 64%, 59%
HSV	180°, 61%, 86%
XYZ	41.2105, 56.6190, 75.1058
YIQ	177.6460, -78.9930, -27.6730

Conversions

Conversions Part 2

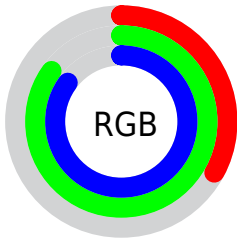
Format	Color
<code>RYB</code>	<code>85, 151, 218</code>
Decimal	<code>5626330</code>
CIELab	<code>79.96, -35.20, -11.26</code>
CIELCh	<code>80, 36.961, 197.731</code>
Yxy	<code>56.6190, 0.2383, 0.3274</code>
Android (<code>android.graphics.Color</code>)	<code>4283816410 (0xFF55D9DA)</code>
YUV	<code>177.6460, 19.8945, -81.2505</code>
Hunter-Lab	<code>75.2456, -33.9190, -6.5079</code>

Details

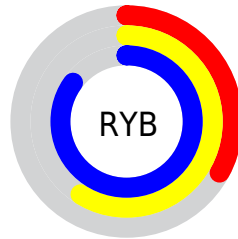
The Yxy color **56.6190, 0.2383, 0.3274** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.2088, 0.5044, 0.3307**, and the grayscale version is **44.2378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **28.4850, 0.2241, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **55.6682, 0.2320, 0.3271**, and if you desaturate by 10%, it is **57.8883, 0.2465, 0.3277**.

Distribution



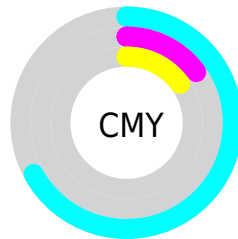
- Red (33%)
- Green (85%)
- Blue (85%)



- Red (33%)
- Yellow (59%)
- Blue (85%)



- Cyan (61%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)





- Cyan (67%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6190, 0.2383, 0.3274 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 56.6190, 0.2383, 0.3274 by changing the saturation by 10% instead.


 56.6190, 0.2383,
0.3274

 56.6190, 0.2383,
0.3274


412.0201, 0.2734,
0.3291

 40.6994, 0.2302,
0.3267


 99.9090, 0.2506,
0.3282

 28.0843, 0.2201,
0.3257


 128.0483, 0.2553,
0.3285

 18.3892, 0.2073,
0.3242


 161.0296, 0.2594,
0.3287

 11.2298, 0.1905,
0.3217

 199.2373, 0.2629,
0.3288

 6.2216, 0.1678,
0.3174

243.0558, 0.2660,
0.3289

 2.9803, 0.1357,
0.3091

292.8695, 0.2688,

 1.1215, 0.0511,

0.3290

349.0628, 0.2712,
0.3291

0.3028

0.0000, 0.0000,
0.0000

56.6190, 0.2383,
0.3274

56.6190, 0.2383,
0.3274

55.6682, 0.2320,
0.3271

57.8883, 0.2465,
0.3277

54.9996, 0.2277,
0.3269

59.4959, 0.2565,
0.3280

54.5795, 0.2251,
0.3266

61.4673, 0.2683,
0.3282

54.3592, 0.2240,
0.3264

63.8239, 0.2815,
0.3285

66.5854, 0.2958,
0.3287

■ 69.7701, 0.3111,
0.3290

■ 73.3954, 0.3269,
0.3292

■ 76.6463, 0.3398,
0.3294

■ 76.7332, 0.3398,
0.3296

Harmonies

Analogous

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



56.6190, 0.2713, 0.3754



56.6190, 0.2383, 0.3274



56.6190, 0.2247, 0.2847

Triad

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



56.6190, 0.2383, 0.3274



56.6190, 0.3024, 0.2625



56.6190, 0.3982, 0.3959

Complementary

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



56.6190, 0.2383, 0.3274



22.2088, 0.5044, 0.3307

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.



56.6190, 0.4094, 0.3616



56.6190, 0.2383, 0.3274



56.6190, 0.3518, 0.2879

Square

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



56.6190, 0.2383, 0.3274



56.6190, 0.2593, 0.2517



56.6190, 0.3923, 0.3230



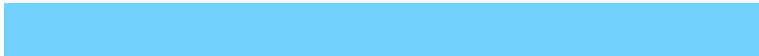
56.6190, 0.3636, 0.4156

Rectangle

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



56.6190, 0.2383, 0.3274



56.6190, 0.2273, 0.2652



56.6190, 0.3923, 0.3230



56.6190, 0.4049, 0.3855

Sweetspot

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



56.6212, 0.2383, 0.3274



92.0856, 0.2855, 0.3286



52.7399, 0.3035, 0.5256



19.4759, 0.2814, 0.3285



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.



56.6212, 0.2383, 0.3274



79.0926, 0.2307, 0.3271



29.2752, 0.2162, 0.2299



14.8115, 0.2982, 0.3288



32.5646, 0.2240, 0.3264



2.1153, 0.2241, 0.3268

Inverse Universe

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



26.4030, 0.3204, 0.1893



32.6262, 0.3215, 0.1715



37.8492, 0.4473, 0.4060



13.2731, 0.3139, 0.3061



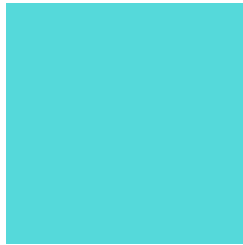
11.9112, 0.3228, 0.1552



0.7722, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 56.6190, 0.2383, 0.3274 looks on a white background.

Color Contrast Check

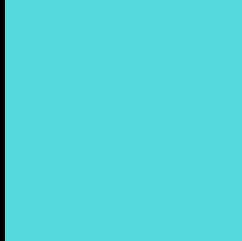
Large Text (above 18pt) WCAG AA × Fail

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 56.6190, 0.2383, 0.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

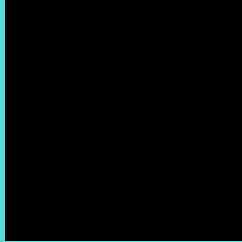
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

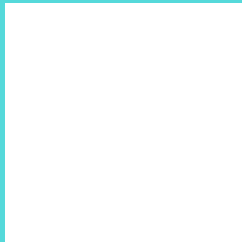
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6190, 0.2383, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 56.6190, 0.2383, 0.3274.

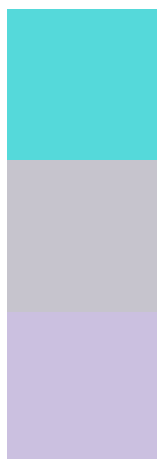


This preview shows how white text looks on a background with the Yxy color 56.6190, 0.2383, 0.3274.

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

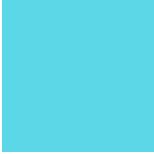
56.6190, 0.2383, 0.3274

Protanopia

55.8934, 0.3077, 0.3182

Deuteranopia

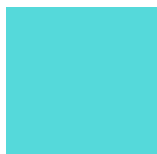
55.7776, 0.2981, 0.2920



Tritanopia

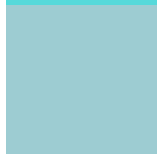
56.6512, 0.2336, 0.3065

Trichromacy



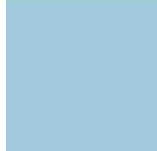
Original Color

56.6190, 0.2383, 0.3274



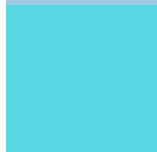
Protanomaly

55.0070, 0.2752, 0.3212



Deuteranomaly

54.5208, 0.2696, 0.3026



Tritanomaly

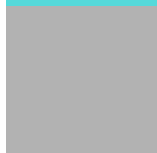
56.7816, 0.2354, 0.3142

Monochromacy



Original Color

56.6190, 0.2383, 0.3274



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.4788, 0.2758, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6190, 0.2383, 0.3274 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(85, 217, 218)` looks like.

```
.text, #text, p{  
    color:rgb(85, 217, 218)  
}
```

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(85, 217, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 217, 218) }
```

Border

The CSS property to change the border of an element to Yxy 56.6190, 0.2383, 0.3274 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(85, 217, 218) }
```

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

```
.border{ border-color:rgb(85, 217, 218) }
```

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

Here you see how a box with a 4 pixel rgb(85, 217, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 217, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 217, 218);  
box-shadow:4px 4px 4px 4px rgb(85, 217,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6190, 0.2383, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 217, 218) }
```

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

```
.background{ background-color: rgb(85, 217,  
218) }
```

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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