

Converting Colors

$Yxy(56.6510, 0.2449, 0.3381)$

Have a look what the booklet for
Yxy(56.6510, 0.2449, 0.3381)
contains.

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Color

Yxy(56.6060, 0.2448, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	5DD9D2
RGB	93, 217, 210
RGB Percent	36%, 85%, 82%
CMY	0.6353, 0.1490, 0.1764
CMYK	0.57, 0.00, 0.03, 0.15
HSL	177°, 62%, 61%
HSV	177°, 57%, 85%
XYZ	40.9611, 56.6060, 69.7577
YIQ	179.1260, -71.6570, -28.4650

Conversions

Conversions Part 2

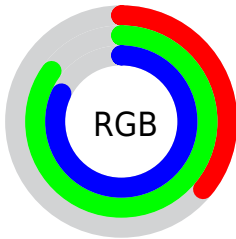
Format	Color
RYB	93, 157, 217
Decimal	6150610
CIELab	79.96, -35.94, -6.97
CIELCh	80, 36.608, 190.977
Yxy	56.6060, 0.2448, 0.3383
Android (android.graphics.Color)	4284340690 (0xFF5DD9D2)
YUV	179.1260, 15.2209, -75.5325
Hunter-Lab	75.2370, -34.4842, -2.3063

Details

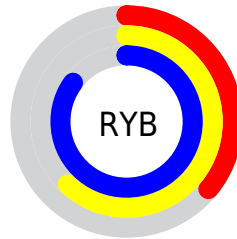
The Yxy color **56.6060, 0.2448, 0.3383** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.4977, 0.4766, 0.3216**, and the grayscale version is **45.0957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **28.2539, 0.2280, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **55.5716, 0.2382, 0.3402**, and if you desaturate by 10%, it is **57.9664, 0.2533, 0.3365**.

Distribution



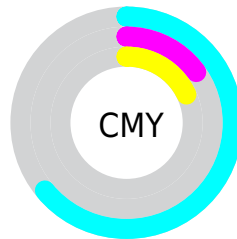
- Red (36%)
- Green (85%)
- Blue (82%)



- Red (36%)
- Yellow (62%)
- Blue (85%)



- Cyan (57%)
- Magenta (0%)
- Yellow (3%)
- Black (15%)



- Cyan (64%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6060, 0.2448, 0.3383 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 56.6060, 0.2448, 0.3383 by changing the saturation by 10% instead.

 56.6060, 0.2448,
0.3383

 56.6060, 0.2448,
0.3383


411.9713, 0.2770,
0.3345

 40.6890, 0.2373,
0.3390

 99.8901, 0.2561,
0.3371

 28.0762, 0.2279,
0.3398


 128.0259, 0.2605,
0.3366

 18.3831, 0.2159,
0.3407

 161.0035, 0.2642,
0.3361

 11.2254, 0.2001,
0.3415

 199.2072, 0.2675,
0.3357

 6.2186, 0.1783,
0.3420

243.0215, 0.2703,
0.3354

 2.9785, 0.1470,
0.3413

292.8306, 0.2728,

 1.1205, 0.0537,

0.3350

0.3530

349.0191, 0.2751,
0.3348

0.0000, 0.0000,
0.0000

56.6060, 0.2448,
0.3383

56.6060, 0.2448,
0.3383

55.5716, 0.2382,
0.3402

57.9664, 0.2533,
0.3365

54.8286, 0.2336,
0.3421

59.6710, 0.2635,
0.3347

54.3466, 0.2308,
0.3439

61.7443, 0.2752,
0.3330

54.0820, 0.2297,
0.3458

64.2066, 0.2882,
0.3314

54.0253, 0.2295,
0.3463

67.0769, 0.3023,
0.3300

■ 70.3730, 0.3170,
0.3286

■ 74.1114, 0.3321,
0.3274

■ 76.0434, 0.3387,
0.3263

■ 76.1083, 0.3378,
0.3250

Harmonies

Analogous

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



56.6060, 0.2811, 0.3845



56.6060, 0.2448, 0.3383



56.6060, 0.2267, 0.2935

Triad

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



56.6060, 0.2448, 0.3383



56.6060, 0.2919, 0.2593



56.6060, 0.4022, 0.3886

Complementary

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



56.6060, 0.2448, 0.3383



23.4977, 0.4766, 0.3216

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.



56.6060, 0.4072, 0.3528



56.6060, 0.2448, 0.3383



56.6060, 0.3406, 0.2816

Square

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



56.6060, 0.2448, 0.3383



56.6060, 0.2522, 0.2523



56.6060, 0.3841, 0.3147



56.6060, 0.3724, 0.4123

Rectangle

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



56.6060, 0.2448, 0.3383



56.6060, 0.2262, 0.2714



56.6060, 0.3841, 0.3147



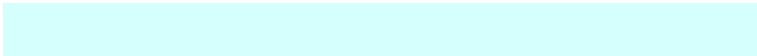
56.6060, 0.4070, 0.3774

Sweetspot

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



56.6082, 0.2448, 0.3383



92.5291, 0.2882, 0.3314



53.1986, 0.3085, 0.5100



19.6411, 0.2855, 0.3317



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.



56.6082, 0.2448, 0.3383



79.7834, 0.2369, 0.3406



33.6239, 0.2246, 0.2503



14.8163, 0.2990, 0.3303



32.7084, 0.2295, 0.3460



2.1230, 0.2286, 0.3430

Inverse Universe

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



23.4977, 0.4766, 0.3216



27.5795, 0.5345, 0.3216



36.3247, 0.4430, 0.3927



13.0633, 0.3283, 0.3277



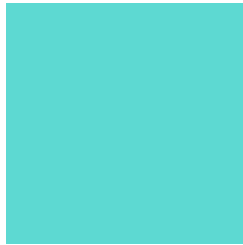
8.9513, 0.6337, 0.3265



0.5842, 0.6151, 0.3162

Previews

White Background



This preview shows how the Yxy color 56.6060, 0.2448, 0.3383 looks on a white background.

Color Contrast Check

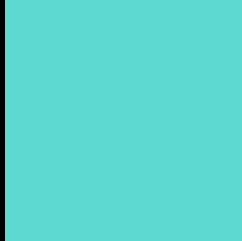
Large Text (above 18pt) WCAG AA × Fail

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 56.6060, 0.2448, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

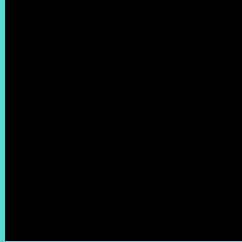
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

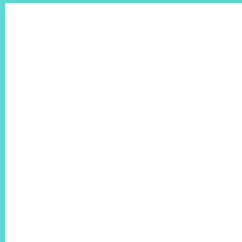
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6060, 0.2448, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 56.6060, 0.2448, 0.3383.

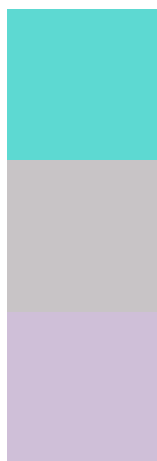


This preview shows how white text looks on a background with the Yxy color 56.6060, 0.2448, 0.3383.

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

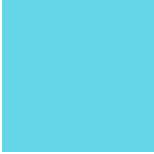
56.6060, 0.2448, 0.3383

Protanopia

55.8364, 0.3144, 0.3266

Deuteranopia

55.4849, 0.3069, 0.3000



Tritanopia

56.6294, 0.2374, 0.3066

Trichromacy



Original Color

56.6060, 0.2448, 0.3383



Protanomaly

55.0271, 0.2828, 0.3315



Deuteranomaly

54.2706, 0.2783, 0.3113



Tritanomaly

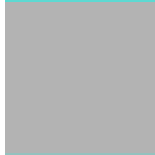
56.5253, 0.2401, 0.3182

Monochromacy



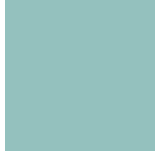
Original Color

56.6060, 0.2448, 0.3383



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.1535, 0.2806, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6060, 0.2448, 0.3383 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(93, 217, 210)` looks like.

```
.text, #text, p{  
    color:rgb(93, 217, 210)  
}
```

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(93, 217, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 217, 210) }
```

Border

The CSS property to change the border of an element to Yxy 56.6060, 0.2448, 0.3383 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(93, 217, 210) }
```

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

```
.border{ border-color:rgb(93, 217, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 217, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 217, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 217, 210);  
box-shadow:4px 4px 4px 4px rgb(93, 217,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6060, 0.2448, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 217, 210) }
```

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

```
.background{ background-color: rgb(93, 217,  
210) }
```

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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