

Converting Colors

$Yxy(55.8987, 0.2452, 0.3462)$

Have a look what the booklet for
Yxy(55.8987, 0.2452, 0.3462)
contains.

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Color

Yxy(56.0116, 0.2455, 0.3468)

Conversions

Conversions Part 1

Format	Color
Hex	57D9CC
RGB	87, 217, 204
RGB Percent	34%, 85%, 80%
CMY	0.6583, 0.1490, 0.2000
CMYK	0.60, 0.00, 0.06, 0.15
HSL	174°, 63%, 60%
HSV	174°, 60%, 85%
XYZ	39.6507, 56.0116, 65.8475
YIQ	176.6480, -73.3070, -31.6030

Conversions

Conversions Part 2

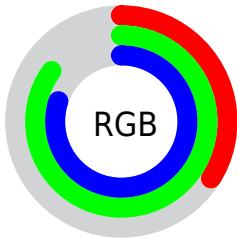
Format	Color
RYB	87, 155, 217
Decimal	5757388
CIELab	79.62, -38.56, -4.27
CIELCh	80, 38.792, 186.317
Yxy	56.0116, 0.2455, 0.3468
Android (android.graphics.Color)	4283947468 (0xFF57D9CC)
YUV	176.6480, 13.4845, -78.6213
Hunter-Lab	74.8409, -36.4024, 0.2233

Details

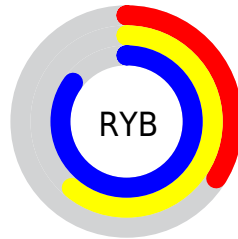
The Yxy color **56.0116, 0.2455, 0.3468** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.5097, 0.4805, 0.3150**, and the grayscale version is **43.7470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **27.6917, 0.2305, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **55.0164, 0.2397, 0.3502**, and if you desaturate by 10%, it is **57.3265, 0.2532, 0.3434**.

Distribution



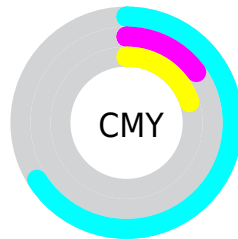
- Red (34%)
- Green (85%)
- Blue (80%)



- Red (34%)
- Yellow (61%)
- Blue (85%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)





- Cyan (66%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0116, 0.2455, 0.3468 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 56.0116, 0.2455, 0.3468 by changing the saturation by 10% instead.


 56.0116, 0.2455,
0.3468


 56.0116, 0.2455,
0.3468


409.7352, 0.2776,
0.3387


 40.2122, 0.2380,
0.3486


 99.0215, 0.2568,
0.3440

 27.7041, 0.2285,
0.3508


 127.0009, 0.2612,
0.3429

 18.1027, 0.2164,
0.3535


 159.8090, 0.2649,
0.3420

 11.0237, 0.2004,
0.3568

 197.8303, 0.2681,
0.3412

 6.0828, 0.1783,
0.3610

241.4492, 0.2709,
0.3404

 2.8955, 0.1462,
0.3661

291.0501, 0.2734,

 1.0774, 0.0264,

0.3398

0.3997

347.0173, 0.2756,
0.3392

0.0000, 0.0000,
0.0000

56.0116, 0.2455,
0.3468

56.0116, 0.2455,
0.3468

55.0164, 0.2397,
0.3502

57.3265, 0.2532,
0.3434

54.3055, 0.2359,
0.3537

58.9801, 0.2626,
0.3402

53.8463, 0.2340,
0.3571

60.9976, 0.2735,
0.3371

53.5784, 0.2335,
0.3605

63.3997, 0.2858,
0.3341

53.5748, 0.2335,
0.3606

66.2058, 0.2990,
0.3314

■ 69.4339, 0.3129,
0.3290

■ 73.1009, 0.3273,
0.3267

■ 76.1218, 0.3376,
0.3247

■ 76.2386, 0.3360,
0.3225

Harmonies

Analogous

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



56.0116, 0.2863, 0.3947



56.0116, 0.2455, 0.3468



56.0116, 0.2232, 0.2976

Triad

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



56.0116, 0.2455, 0.3468



56.0116, 0.2830, 0.2531



56.0116, 0.4105, 0.3864

Complementary

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



56.0116, 0.2455, 0.3468



22.5097, 0.4805, 0.3150

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.



56.0116, 0.4113, 0.3475



56.0116, 0.2455, 0.3468



56.0116, 0.3341, 0.2743

Square

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



56.0116, 0.2455, 0.3468



56.0116, 0.2435, 0.2484



56.0116, 0.3825, 0.3078



56.0116, 0.3821, 0.4148

Rectangle

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



56.0116, 0.2455, 0.3468



56.0116, 0.2204, 0.2724



56.0116, 0.3825, 0.3078



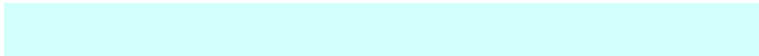
56.0116, 0.4141, 0.3740

Sweetspot

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



56.0138, 0.2455, 0.3468



92.0177, 0.2879, 0.3337



53.1530, 0.3117, 0.5170



19.4591, 0.2842, 0.3345



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.



56.0138, 0.2455, 0.3468



78.9677, 0.2385, 0.3512



34.7562, 0.2232, 0.2559



14.8059, 0.2996, 0.3313



32.4429, 0.2334, 0.3601



2.1084, 0.2318, 0.3545

Inverse Universe

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



22.5097, 0.4805, 0.3150



26.5518, 0.5383, 0.3151



33.3059, 0.4567, 0.3874



13.0726, 0.3276, 0.3267



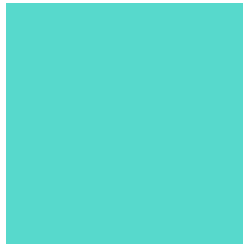
8.9715, 0.6278, 0.3232



0.5886, 0.5973, 0.3064

Previews

White Background



This preview shows how the Yxy color 56.0116, 0.2455, 0.3468 looks on a white background.

Color Contrast Check

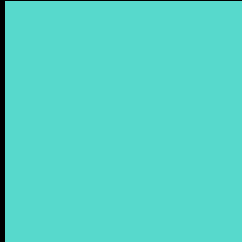
Large Text (above 18pt) WCAG AA × Fail

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 56.0116, 0.2455, 0.3468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

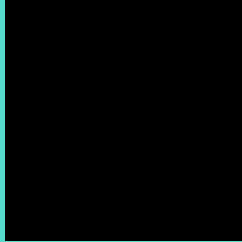
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

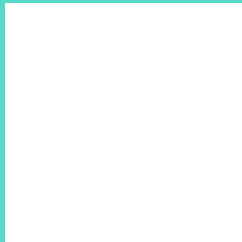
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.0116, 0.2455, 0.3468

Background



This preview shows how black text looks on a background with the Yxy color 56.0116, 0.2455, 0.3468.

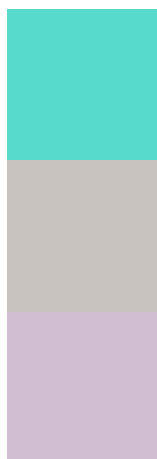


This preview shows how white text looks on a background with the Yxy color 56.0116, 0.2455, 0.3468.

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

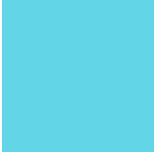
56.0116, 0.2455, 0.3468

Protanopia

55.0712, 0.3197, 0.3339

Deuteranopia

55.0354, 0.3130, 0.3057



Tritanopia

55.8983, 0.2364, 0.3065

Trichromacy



Original Color

56.0116, 0.2455, 0.3468



Protanomaly

54.0683, 0.2852, 0.3380



Deuteranomaly

53.8620, 0.2814, 0.3187



Tritanomaly

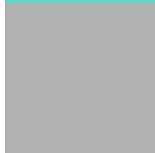
55.6933, 0.2392, 0.3194

Monochromacy



Original Color

56.0116, 0.2455, 0.3468



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

47.2164, 0.2797, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0116, 0.2455, 0.3468 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(87, 217, 204)` looks like.

```
.text, #text, p{  
    color:rgb(87, 217, 204)  
}
```

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(87, 217, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 217, 204) }
```

Border

The CSS property to change the border of an element to Yxy 56.0116, 0.2455, 0.3468 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(87, 217, 204) }
```

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

```
.border{ border-color:rgb(87, 217, 204) }
```

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

Here you see how a box with a 4 pixel rgb(87, 217, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 217, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 217, 204);  
box-shadow:4px 4px 4px 4px rgb(87, 217,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0116, 0.2455, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 217, 204) }
```

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

```
.background{ background-color: rgb(87, 217,  
204) }
```

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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