

Converting Colors

$Yxy(56.5793, 0.2457, 0.3455)$

Have a look what the booklet for
Yxy(56.5793, 0.2457, 0.3455)
contains.

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Color

Yxy(56.7229, 0.2455, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	59DACE
RGB	89, 218, 206
RGB Percent	35%, 85%, 81%
CMY	0.6512, 0.1451, 0.1921
CMYK	0.59, 0.00, 0.06, 0.15
HSL	174°, 64%, 60%
HSV	174°, 59%, 85%
XYZ	40.3286, 56.7229, 67.2198
YIQ	178.0610, -73.0320, -31.0800

Conversions

Conversions Part 2

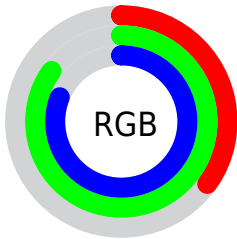
Format	Color
RYB	89, 157, 218
Decimal	5888718
CIELab	80.02, -38.18, -4.74
CIElCh	80, 38.470, 187.078
Yxy	56.7229, 0.2455, 0.3453
Android (android.graphics.Color)	4284078798 (0xFF59DACE)
YUV	178.0610, 13.7739, -78.1065
Hunter-Lab	75.3146, -36.2194, -0.1973

Details

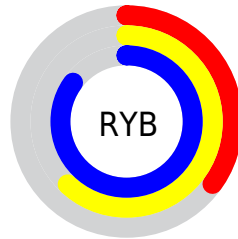
The Yxy color **56.7229, 0.2455, 0.3453** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.9821, 0.4790, 0.3161**, and the grayscale version is **44.5041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **28.1077, 0.2299, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **55.7044, 0.2396, 0.3485**, and if you desaturate by 10%, it is **58.0663, 0.2533, 0.3422**.

Distribution



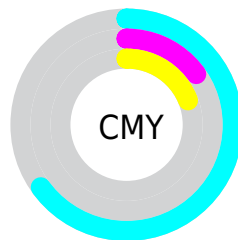
- Red (35%)
- Green (85%)
- Blue (81%)



- Red (35%)
- Yellow (62%)
- Blue (85%)



- Cyan (59%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)



- Cyan (65%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7229, 0.2455, 0.3453 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 56.7229, 0.2455, 0.3453 by changing the saturation by 10% instead.

 56.7229, 0.2455,
0.3453

 56.7229, 0.2455,
0.3453


412.4102, 0.2775,
0.3380

 40.7828, 0.2380,
0.3469


 100.0607, 0.2568,
0.3428

 28.1494, 0.2286,
0.3488


 128.2273, 0.2611,
0.3418

 18.4383, 0.2167,
0.3512


 161.2381, 0.2648,
0.3410

 11.2651, 0.2008,
0.3541

 199.4776, 0.2680,
0.3402

 6.2455, 0.1790,
0.3576

243.3302, 0.2708,
0.3396

 2.9949, 0.1474,
0.3616

293.1802, 0.2733,

 1.1291, 0.0421,

0.3390

349.4121, 0.2755,
0.3384

0.3875

0.0026, 0.0000,
0.0077

0.0000, 0.0000,
0.0000

56.7229, 0.2455,
0.3453

56.7229, 0.2455,
0.3453

55.7044, 0.2396,
0.3485

58.0663, 0.2533,
0.3422

54.9750, 0.2356,
0.3517


59.7535, 0.2629,
0.3392


54.5024, 0.2335,
0.3549

61.8098, 0.2740,
0.3363

54.2309, 0.2329,
0.3580

64.2562, 0.2864,
0.3336

 54.2121, 0.2329,
0.3583

 67.1121, 0.2998,
0.3311

 70.3956, 0.3139,
0.3288

 74.1238, 0.3284,
0.3268

 76.6930, 0.3368,
0.3248

 76.8025, 0.3354,
0.3228

Harmonies

Analogous

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



56.7229, 0.2854, 0.3928



56.7229, 0.2455, 0.3453



56.7229, 0.2240, 0.2969

Triad

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



56.7229, 0.2455, 0.3453



56.7229, 0.2846, 0.2543



56.7229, 0.4089, 0.3867

Complementary

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



56.7229, 0.2455, 0.3453



22.9821, 0.4790, 0.3161

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.



56.7229, 0.4104, 0.3484



56.7229, 0.2455, 0.3453



56.7229, 0.3352, 0.2756

Square

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



56.7229, 0.2455, 0.3453



56.7229, 0.2451, 0.2492



56.7229, 0.3827, 0.3090



56.7229, 0.3803, 0.4142

Rectangle

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



56.7229, 0.2455, 0.3453



56.7229, 0.2216, 0.2723



56.7229, 0.3827, 0.3090



56.7229, 0.4127, 0.3746

Sweetspot

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



56.7251, 0.2455, 0.3453



92.0381, 0.2878, 0.3333



53.6839, 0.3106, 0.5156



19.4642, 0.2840, 0.3341



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.



56.7251, 0.2455, 0.3453



79.1567, 0.2384, 0.3493



34.5967, 0.2233, 0.2535



14.8076, 0.2995, 0.3312



32.4846, 0.2327, 0.3578



2.1107, 0.2313, 0.3526

Inverse Universe

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



22.9821, 0.4790, 0.3161



26.9025, 0.5354, 0.3161



34.5516, 0.4529, 0.3894



13.0711, 0.3277, 0.3269



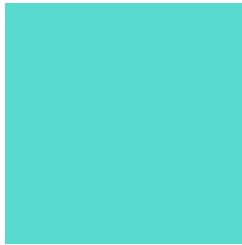
8.9677, 0.6289, 0.3238



0.5879, 0.6001, 0.3079

Previews

White Background



This preview shows how the Yxy color 56.7229, 0.2455, 0.3453 looks on a white background.

Color Contrast Check

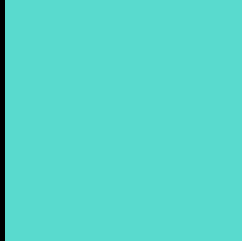
Large Text (above 18pt) WCAG AA × Fail

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 56.7229, 0.2455, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

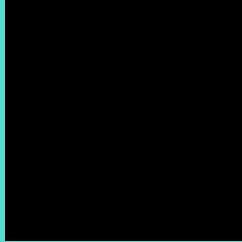
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

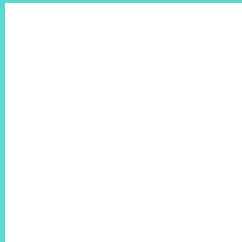
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7229, 0.2455, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 56.7229, 0.2455, 0.3453.



This preview shows how white text looks on a background with the Yxy color 56.7229, 0.2455, 0.3453.

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

56.7229, 0.2455, 0.3453

Protanopia

55.7476, 0.3189, 0.3326

Deuteranopia

55.5704, 0.3115, 0.3047



Tritanopia

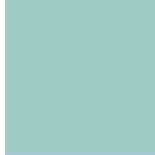
56.5720, 0.2362, 0.3053

Trichromacy



Original Color

56.7229, 0.2455, 0.3453



Protanomaly

54.7365, 0.2847, 0.3367



Deuteranomaly

54.4258, 0.2802, 0.3175



Tritanomaly

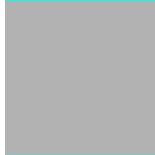
56.3615, 0.2390, 0.3181

Monochromacy



Original Color

56.7229, 0.2455, 0.3453



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.8818, 0.2805, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7229, 0.2455, 0.3453 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(89, 218, 206)` looks like.

```
.text, #text, p{  
    color:rgb(89, 218, 206)  
}
```

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(89, 218, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 218, 206) }
```

Border

The CSS property to change the border of an element to Yxy 56.7229, 0.2455, 0.3453 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(89, 218, 206) }
```

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

```
.border{ border-color:rgb(89, 218, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 218, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 218, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 218, 206);  
box-shadow:4px 4px 4px 4px rgb(89, 218,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7229, 0.2455, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 218, 206) }
```

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

```
.background{ background-color: rgb(89, 218,  
206) }
```

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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