

Converting Colors

$Y_{xy}(56.5313, 0.2254, 0.3189)$

Have a look what the booklet for
Yxy(56.5313, 0.2254, 0.3189)
contains.

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Color

Yxy(56.6463, 0.2255, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	2ADBE2
RGB	42, 219, 226
RGB Percent	16%, 86%, 89%
CMY	0.8351, 0.1412, 0.1136
CMYK	0.81, 0.03, 0.00, 0.11
HSL	182°, 76%, 53%
HSV	182°, 81%, 89%
XYZ	40.0180, 56.6463, 80.7991
YIQ	166.8750, -107.7390, -35.3470

Conversions

Conversions Part 2

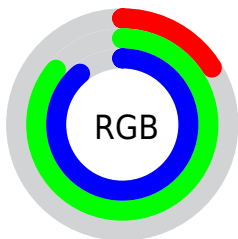
Format	Color
R _Y B	42, 132, 226
Decimal	2808802
CIE Lab	79.98, -38.96, -15.59
CIE LCh	80, 41.960, 201.806
Yxy	56.6463, 0.2255, 0.3192
Android (android.graphics.Color)	4280998882 (0xFF2ADBE2)
YUV	166.8750, 29.1486, -109.5154
Hunter-Lab	75.2637, -36.8025, -10.9659

Details

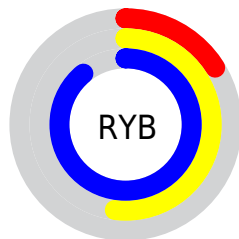
The Yxy color **56.6463, 0.2255, 0.3192** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.5443, 0.5929, 0.3343**, and the grayscale version is **38.4816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **29.1347, 0.2207, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **55.8485, 0.2227, 0.3179**, and if you desaturate by 10%, it is **57.7191, 0.2301, 0.3205**.

Distribution



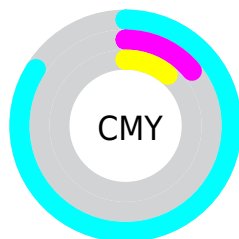
- Red (16%)
- Green (86%)
- Blue (89%)



- Red (16%)
- Yellow (52%)
- Blue (89%)



- Cyan (81%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)





- Cyan (84%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6463, 0.2255, 0.3192 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 56.6463, 0.2255, 0.3192 by changing the saturation by 10% instead.


 56.6463, 0.2255,
0.3192


 56.6463, 0.2255,
0.3192


412.1226, 0.2663,
0.3253


 40.7213, 0.2162,
0.3174


 99.9489, 0.2397,
0.3217

 28.1014, 0.2047,
0.3149


 128.0953, 0.2452,
0.3225


 18.4021, 0.1902,
0.3114


 161.0844, 0.2499,
0.3232

 11.2391, 0.1716,
0.3061

 199.3004, 0.2540,
0.3238

 6.2279, 0.1468,
0.2977

 243.1279, 0.2577,
0.3243

 2.9841, 0.1130,
0.2831

292.9512, 0.2609,

 1.1235, 0.0235,

0.3247

0.2663

349.1546, 0.2637,
0.3250

■ 0.0000, 0.0000,
0.0000

■ 56.6463, 0.2255,
0.3192

■ 56.6463, 0.2255,
0.3192

■ 55.8485, 0.2227,
0.3179

■ 57.7191, 0.2301,
0.3205

■ 55.3208, 0.2214,
0.3169

■ 59.0999, 0.2367,
0.3218

■ 60.8239, 0.2452,
0.3231

■ 62.9198, 0.2555,
0.3243

■ 65.4132, 0.2674,
0.3256

■ 68.3277, 0.2808,
0.3267

■ 71.6847, 0.2953,
0.3278

■ 75.5044, 0.3105,
0.3289

■ 79.8056, 0.3263,
0.3298

Harmonies

Analogous

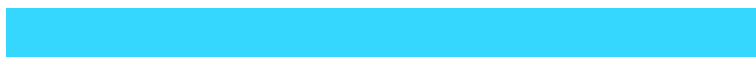
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.6463, 0.2595, 0.3750



56.6463, 0.2255, 0.3192



56.6463, 0.2138, 0.2732

Triad

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



56.6463, 0.2255, 0.3192



56.6463, 0.3082, 0.2576



56.6463, 0.4050, 0.4082

Complementary

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



56.6463, 0.2255, 0.3192



18.5443, 0.5929, 0.3343

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.



56.6463, 0.4225, 0.3704



56.6463, 0.2255, 0.3192



56.6463, 0.3642, 0.2876

Square

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



56.6463, 0.2255, 0.3192



56.6463, 0.2581, 0.2430



56.6463, 0.4076, 0.3274



56.6463, 0.3630, 0.4285

Rectangle

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



56.6463, 0.2255, 0.3192



56.6463, 0.2188, 0.2536



56.6463, 0.4076, 0.3274



56.6463, 0.4142, 0.3968

Sweetspot

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



56.6484, 0.2255, 0.3192



88.6991, 0.2770, 0.3264



55.1187, 0.2997, 0.5756



18.6893, 0.2722, 0.3260



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.



56.6484, 0.2255, 0.3192



72.8280, 0.2216, 0.3170



21.3989, 0.1886, 0.1802



15.4777, 0.2982, 0.3281



31.5917, 0.2214, 0.3171



2.2181, 0.2220, 0.3190

Inverse Universe

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



22.9472, 0.3284, 0.1675



27.9906, 0.3307, 0.1600



35.1472, 0.4954, 0.4227



13.9261, 0.3144, 0.3068



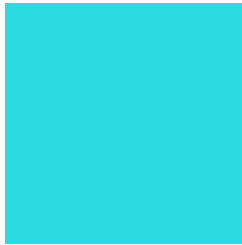
12.0972, 0.3307, 0.1595



0.8414, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 56.6463, 0.2255, 0.3192 looks on a white background.

Color Contrast Check

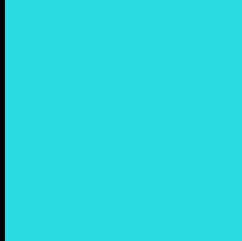
Large Text (above 18pt) WCAG AA × Fail

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 56.6463, 0.2255, 0.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

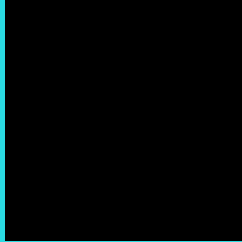
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.6463, 0.2255, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 56.6463, 0.2255, 0.3192.

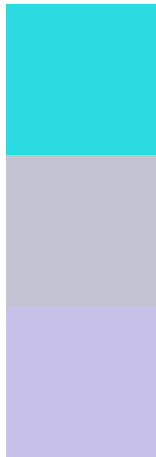


This preview shows how white text looks on a background with the Yxy color 56.6463, 0.2255, 0.3192.

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

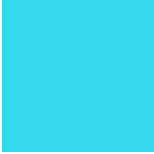
56.6463, 0.2255, 0.3192

Protanopia

55.4691, 0.3019, 0.3099

Deuteranopia

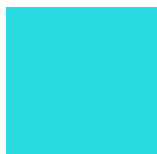
55.6676, 0.2896, 0.2830



Tritanopia

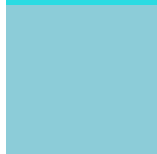
56.8448, 0.2232, 0.3062

Trichromacy



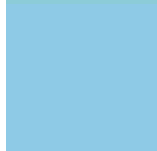
Original Color

56.6463, 0.2255, 0.3192



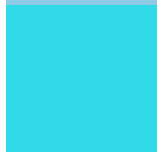
Protanomaly

53.7190, 0.2612, 0.3132



Deuteranomaly

53.7050, 0.2544, 0.2934



Tritanomaly

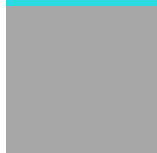
56.5974, 0.2238, 0.3100

Monochromacy



Original Color

56.6463, 0.2255, 0.3192



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

42.8862, 0.2634, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6463, 0.2255, 0.3192 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(42, 219, 226)` looks like.

```
.text, #text, p{  
  color:rgb(42, 219, 226)  
}
```

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(42, 219, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 219, 226) }
```

Border

The CSS property to change the border of an element to Yxy 56.6463, 0.2255, 0.3192 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(42, 219, 226) }
```

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

```
.border{ border-color:rgb(42, 219, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 219, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 219, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 219, 226);  
box-shadow:4px 4px 4px 4px rgb(42, 219,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6463, 0.2255, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 219, 226) }
```

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

```
.background{ background-color: rgb(42, 219,  
226) }
```

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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