

Converting Colors

$Y_{xy}(56.5122, 0.2282, 0.3303)$

Have a look what the booklet for
Yxy(56.5122, 0.2282, 0.3303)
contains.

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Color

Yxy(56.7322, 0.2282, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	27DCDB
RGB	39, 220, 219
RGB Percent	15%, 86%, 86%
CMY	0.8468, 0.1373, 0.1411
CMYK	0.82, 0.00, 0.00, 0.14
HSL	180°, 72%, 51%
HSV	180°, 82%, 86%
XYZ	39.2193, 56.7322, 75.9122
YIQ	165.7670, -107.5550, -38.6830

Conversions

Conversions Part 2

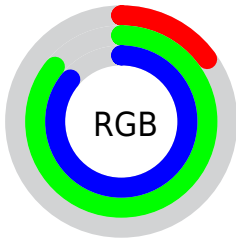
Format	Color
RYB	39, 130, 220
Decimal	2612443
CIELab	80.03, -41.68, -11.78
CIELCh	80, 43.308, 195.778
Yxy	56.7322, 0.2282, 0.3301
Android (android.graphics.Color)	4280802523 (0xFF27DCDB)
YUV	165.7670, 26.2439, -111.1747
Hunter-Lab	75.3208, -38.8670, -7.0310

Details

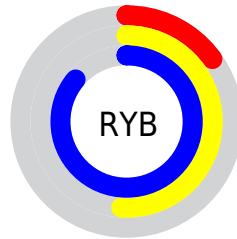
The Yxy color **56.7322, 0.2282, 0.3301** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.8249, 0.5994, 0.3293**, and the grayscale version is **37.9363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **29.2313, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **56.4151, 0.2260, 0.3303**, and if you desaturate by 10%, it is **57.3023, 0.2322, 0.3299**.

Distribution



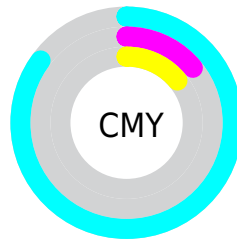
- Red (15%)
- Green (86%)
- Blue (86%)



- Red (15%)
- Yellow (51%)
- Blue (86%)



- Cyan (82%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)




- Cyan (85%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7322, 0.2282, 0.3301 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 56.7322, 0.2282, 0.3301 by changing the saturation by 10% instead.


 56.7322, 0.2282,
0.3301

 56.7322, 0.2282,
0.3301


412.4451, 0.2679,
0.3308

 40.7903, 0.2191,
0.3296


 100.0743, 0.2420,
0.3306

 28.1552, 0.2078,
0.3288


 128.2433, 0.2474,
0.3307

 18.4427, 0.1935,
0.3274


 161.2568, 0.2520,
0.3308

 11.2683, 0.1750,
0.3251

 199.4991, 0.2560,
0.3308

 6.2476, 0.1503,
0.3208

 243.3547, 0.2595,
0.3308

 2.9962, 0.1161,
0.3120

293.2080, 0.2626,

 1.1298, 0.0104,

0.3308

349.4433, 0.2654,
0.3308

0.3102

0.0032, 0.0000,
0.0038

0.0000, 0.0000,
0.0000

56.7322, 0.2282,
0.3301

56.7322, 0.2282,
0.3301

56.4151, 0.2260,
0.3303

57.3023, 0.2322,
0.3299

56.2904, 0.2251,
0.3304

58.1564, 0.2381,
0.3298

59.3281, 0.2459,
0.3296

60.8443, 0.2556,
0.3295

■ 62.7294, 0.2671,
0.3293

■ 65.0054, 0.2800,
0.3292

■ 67.6926, 0.2942,
0.3291

■ 70.8100, 0.3092,
0.3290

■ 74.3752, 0.3249,
0.3289

Harmonies

Analogous

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



56.7322, 0.2671, 0.3873



56.7322, 0.2282, 0.3301



56.7322, 0.2115, 0.2793

Triad

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



56.7322, 0.2282, 0.3301



56.7322, 0.2966, 0.2512



56.7322, 0.4138, 0.4035

Complementary

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



56.7322, 0.2282, 0.3301



16.8249, 0.5994, 0.3293

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.



56.7322, 0.4257, 0.3626



56.7322, 0.2282, 0.3301



56.7322, 0.3545, 0.2791

Square

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



56.7322, 0.2282, 0.3301



56.7322, 0.2480, 0.2398



56.7322, 0.4036, 0.3185



56.7322, 0.3744, 0.4296

Rectangle

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



56.7322, 0.2282, 0.3301



56.7322, 0.2135, 0.2563



56.7322, 0.4036, 0.3185



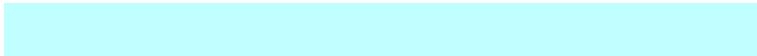
56.7322, 0.4214, 0.3908

Sweetspot

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



56.7343, 0.2282, 0.3301



89.8265, 0.2760, 0.3293



51.8272, 0.3016, 0.5807



18.9844, 0.2714, 0.3293



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.



56.7343, 0.2282, 0.3301



78.6685, 0.2252, 0.3304



22.2525, 0.1917, 0.1932



14.8283, 0.2983, 0.3291



33.0370, 0.2251, 0.3304



2.1407, 0.2250, 0.3301

Inverse Universe

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



16.8249, 0.5994, 0.3293



21.3239, 0.6385, 0.3298



30.4177, 0.5079, 0.4130



13.0527, 0.3291, 0.3289



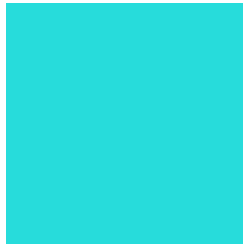
8.9320, 0.6395, 0.3296



0.5791, 0.6375, 0.3286

Previews

White Background



This preview shows how the Yxy color 56.7322, 0.2282, 0.3301 looks on a white background.

Color Contrast Check

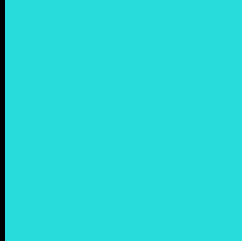
Large Text (above 18pt) WCAG AA × Fail

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 56.7322, 0.2282, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

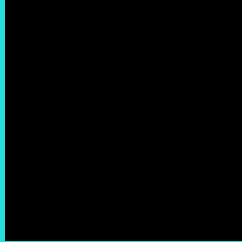
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

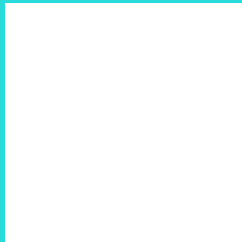
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7322, 0.2282, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 56.7322, 0.2282, 0.3301.

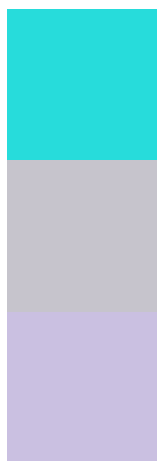


This preview shows how white text looks on a background with the Yxy color 56.7322, 0.2282, 0.3301.

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

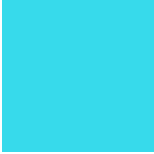
56.7322, 0.2282, 0.3301

Protanopia

55.8453, 0.3084, 0.3194

Deuteranopia

55.6921, 0.2966, 0.2909



Tritanopia

56.9532, 0.2239, 0.3062

Trichromacy



Original Color

56.7322, 0.2282, 0.3301



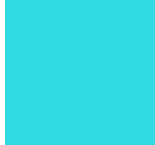
Protanomaly

53.8415, 0.2654, 0.3236



Deuteranomaly

53.4084, 0.2587, 0.3019



Tritanomaly

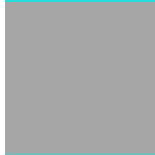
56.9731, 0.2255, 0.3153

Monochromacy



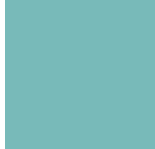
Original Color

56.7322, 0.2282, 0.3301



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

42.6137, 0.2640, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7322, 0.2282, 0.3301 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(39, 220, 219)` looks like.

```
.text, #text, p{  
  color:rgb(39, 220, 219)  
}
```

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(39, 220, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 220, 219) }
```

Border

The CSS property to change the border of an element to Yxy 56.7322, 0.2282, 0.3301 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(39, 220, 219) }
```

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

```
.border{ border-color:rgb(39, 220, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 220, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 220, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 220, 219);  
box-shadow:4px 4px 4px 4px rgb(39, 220,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7322, 0.2282, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 220, 219) }
```

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

```
.background{ background-color: rgb(39, 220,  
219) }
```

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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