

Converting Colors

$Y_{xy}(57.0011, 0.2246, 0.3232)$

Have a look what the booklet for
Yxy(57.0011, 0.2246, 0.3232)
contains.

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Color

Yxy(56.7749, 0.2246, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	19DCE0
RGB	25, 220, 224
RGB Percent	10%, 86%, 88%
CMY	0.9030, 0.1372, 0.1216
CMYK	0.89, 0.02, 0.00, 0.12
HSL	181°, 80%, 49%
HSV	181°, 89%, 88%
XYZ	39.4421, 56.7749, 79.3935
YIQ	162.1510, -117.5040, -40.0960

Conversions

Conversions Part 2

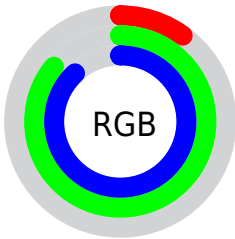
Format	Color
R _Y B	25, 123, 224
Decimal	1694944
CIE Lab	80.05, -41.08, -14.41
CIE LCh	80, 43.529, 199.325
Yxy	56.7749, 0.2246, 0.3233
Android (android.graphics.Color)	4279885024 (0xFF19DCE0)
YUV	162.1510, 30.4916, -120.2814
Hunter-Lab	75.3491, -38.4236, -9.7281

Details

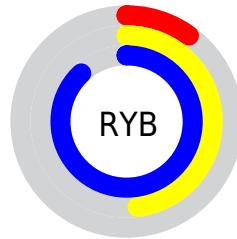
The Yxy color **56.7749, 0.2246, 0.3233** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.7796, 0.6193, 0.3315**, and the grayscale version is **36.0644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **29.4155, 0.2222, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **56.3542, 0.2231, 0.3227**, and if you desaturate by 10%, it is **57.4164, 0.2276, 0.3240**.

Distribution



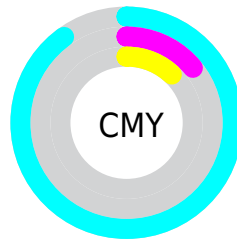
- Red (10%)
- Green (86%)
- Blue (88%)



- Red (10%)
- Yellow (48%)
- Blue (88%)



- Cyan (89%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)



- Cyan (90%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7749, 0.2246, 0.3233 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 56.7749, 0.2246, 0.3233 by changing the saturation by 10% instead.


 56.7749, 0.2246,
0.3233


 56.7749, 0.2246,
0.3233


412.6053, 0.2658,
0.3274

 40.8245, 0.2152,
0.3219

 100.1367, 0.2389,
0.3251


 28.1820, 0.2036,
0.3200

 128.3169, 0.2445,
0.3256

 18.4629, 0.1890,
0.3173


 161.3425, 0.2493,
0.3261

 11.2828, 0.1701,
0.3130

 199.5979, 0.2535,
0.3265

 6.2574, 0.1450,
0.3059

 243.4674, 0.2571,
0.3268

 3.0022, 0.1109,
0.2930

293.3356, 0.2603,

 1.1329, 0.0137,

0.3271

349.5868, 0.2632,
0.3273

0.2812

0.0058, 0.0000,
0.0057

0.0000, 0.0000,
0.0000

56.7749, 0.2246,
0.3233

56.7749, 0.2246,
0.3233

56.3542, 0.2231,
0.3227

57.4164, 0.2276,
0.3240

56.3148, 0.2230,
0.3226

58.3294, 0.2325,
0.3246

59.5528, 0.2393,
0.3253

61.1177, 0.2480,
0.3260

■ 63.0513, 0.2586,
0.3267

■ 65.3781, 0.2708,
0.3273

■ 68.1206, 0.2843,
0.3279

■ 71.2996, 0.2989,
0.3285

■ 74.9342, 0.3143,
0.3291

Harmonies

Analogous

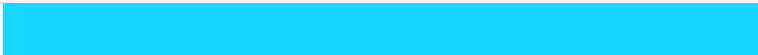
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.7749, 0.2613, 0.3813



56.7749, 0.2246, 0.3233



56.7749, 0.2107, 0.2742

Triad

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



56.7749, 0.2246, 0.3233



56.7749, 0.3032, 0.2534



56.7749, 0.4108, 0.4079

Complementary

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



56.7749, 0.2246, 0.3233



16.7796, 0.6193, 0.3315

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.



56.7749, 0.4266, 0.3679



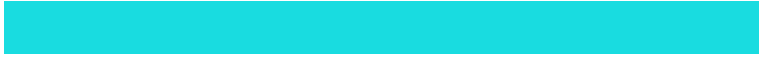
56.7749, 0.2246, 0.3233



56.7749, 0.3614, 0.2831

Square

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



56.7749, 0.2246, 0.3233



56.7749, 0.2526, 0.2398



56.7749, 0.4084, 0.3235



56.7749, 0.3688, 0.4315

Rectangle

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



56.7749, 0.2246, 0.3233



56.7749, 0.2146, 0.2529



56.7749, 0.4084, 0.3235



56.7749, 0.4196, 0.3957

Sweetspot

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



56.7770, 0.2246, 0.3233



88.3236, 0.2731, 0.3274



53.5940, 0.3000, 0.5898



18.6547, 0.2686, 0.3272



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.



56.7770, 0.2246, 0.3233



75.5333, 0.2229, 0.3226



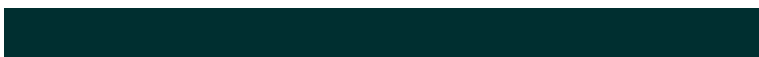
19.2693, 0.1829, 0.1704



15.5229, 0.2982, 0.3285



32.8038, 0.2230, 0.3227



2.2889, 0.2233, 0.3237

Inverse Universe

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



21.6977, 0.3252, 0.1604



28.1563, 0.3261, 0.1570



31.2706, 0.5161, 0.4182



13.9307, 0.3141, 0.3064



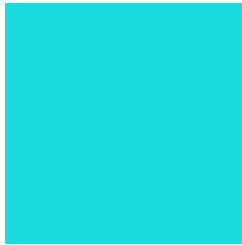
12.2196, 0.3259, 0.1569



0.8485, 0.3251, 0.1565

Previews

White Background



This preview shows how the Yxy color 56.7749, 0.2246, 0.3233 looks on a white background.

Color Contrast Check

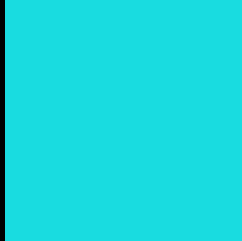
Large Text (above 18pt) WCAG AA × Fail

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 56.7749, 0.2246, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

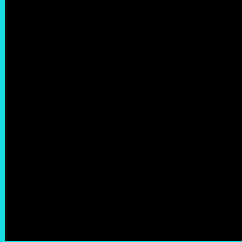
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7749, 0.2246, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 56.7749, 0.2246, 0.3233.

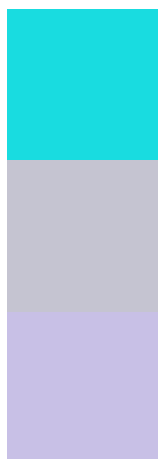


This preview shows how white text looks on a background with the Yxy color 56.7749, 0.2246, 0.3233.

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

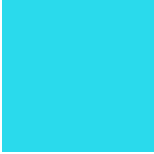
56.7749, 0.2246, 0.3233

Protanopia

55.9536, 0.3041, 0.3135

Deuteranopia

55.6918, 0.2917, 0.2852



Tritanopia

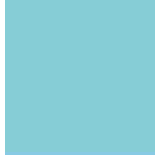
56.6912, 0.2213, 0.3048

Trichromacy



Original Color

56.7749, 0.2246, 0.3233



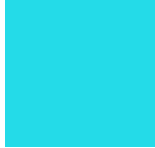
Protanomaly

53.5860, 0.2591, 0.3170



Deuteranomaly

53.0767, 0.2521, 0.2955



Tritanomaly

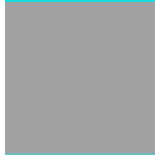
56.8643, 0.2224, 0.3113

Monochromacy



Original Color

56.7749, 0.2246, 0.3233



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

40.8145, 0.2584, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7749, 0.2246, 0.3233 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(25, 220, 224)` looks like.

```
.text, #text, p{  
  color:rgb(25, 220, 224)  
}
```

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(25, 220, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 220, 224) }
```

Border

The CSS property to change the border of an element to Yxy 56.7749, 0.2246, 0.3233 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(25, 220, 224) }
```

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

```
.border{ border-color:rgb(25, 220, 224) }
```

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

Here you see how a box with a 4 pixel rgb(25, 220, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 220, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 220, 224);  
box-shadow:4px 4px 4px 4px rgb(25, 220,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7749, 0.2246, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 220, 224) }
```

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

```
.background{ background-color: rgb(25, 220,  
224) }
```

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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