

Converting Colors

$Y_{xy}(56.6267, 0.2215, 0.3126)$

Have a look what the booklet for
Yxy(56.6267, 0.2215, 0.3126)
contains.

Yxy(56.6267, 0.2215, 0.3126)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.6267, 0.2215, 0.3126)

Conversions

Conversions Part 1

Format	Color
Hex	18DBE7
RGB	24, 219, 231
RGB Percent	9%, 86%, 91%
CMY	0.9068, 0.1411, 0.0942
CMYK	0.90, 0.05, 0.00, 0.09
HSL	183°, 81%, 50%
HSV	183°, 90%, 91%
XYZ	40.1242, 56.6267, 84.3966
YIQ	162.0630, -120.0720, -37.6080

Conversions

Conversions Part 2

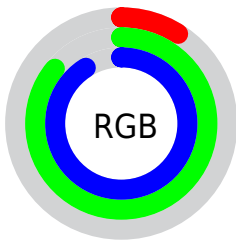
Format	Color
RYP	24, 124, 231
Decimal	1629159
CIELab	79.97, -38.58, -18.25
CIElCh	80, 42.679, 205.322
Yxy	56.6267, 0.2215, 0.3126
Android (android.graphics.Color)	4279819239 (0xFF18DBE7)
YUV	162.0630, 33.9859, -121.0813
Hunter-Lab	75.2507, -36.5114, -13.8205

Details

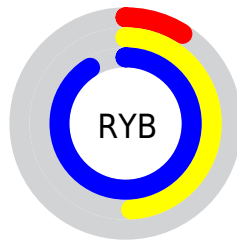
The Yxy color **56.6267, 0.2215, 0.3126** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.2947, 0.6174, 0.3349**, and the grayscale version is **36.0089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **29.2895, 0.2188, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **55.7488, 0.2197, 0.3107**, and if you desaturate by 10%, it is **57.7371, 0.2248, 0.3145**.

Distribution



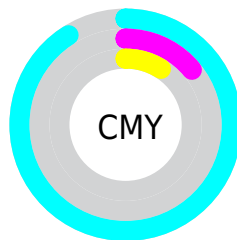
- Red (9%)
- Green (86%)
- Blue (91%)



- Red (9%)
- Yellow (49%)
- Blue (91%)



- Cyan (90%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)




- Cyan (91%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6267, 0.2215, 0.3126 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 56.6267, 0.2215, 0.3126 by changing the saturation by 10% instead.


 56.6267, 0.2215,
0.3126


 56.6267, 0.2215,
0.3126


412.0490, 0.2640,
0.3220

 40.7056, 0.2118,
0.3100


 99.9203, 0.2362,
0.3163


 28.0891, 0.2000,
0.3065


 128.0616, 0.2420,
0.3176


 18.3929, 0.1851,
0.3016


 161.0450, 0.2469,
0.3186

 11.2324, 0.1660,
0.2946

 199.2551, 0.2512,
0.3195

 6.2234, 0.1409,
0.2838

 243.0761, 0.2550,
0.3203

 2.9814, 0.1070,
0.2657

292.8925, 0.2583,

 1.1220, 0.0231,

0.3210

0.2420

349.0887, 0.2613,
0.3215

■ 0.0000, 0.0000,
0.0000

■ 56.6267, 0.2215,
0.3126

■ 56.6267, 0.2215,
0.3126

■ 55.7488, 0.2197,
0.3107

■ 57.7371, 0.2248,
0.3145

■ 55.7247, 0.2196,
0.3106

■ 59.1407, 0.2300,
0.3165

■ 60.8800, 0.2371,
0.3185

■ 62.9888, 0.2462,
0.3204

■ 65.4968, 0.2570,
0.3223

■ 68.4307, 0.2694,
0.3242

■ 71.8149, 0.2831,
0.3259

■ 75.6717, 0.2978,
0.3275

■ 80.0222, 0.3132,
0.3290

Harmonies

Analogous

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



56.6267, 0.2535, 0.3693



56.6267, 0.2215, 0.3126



56.6267, 0.2124, 0.2680

Triad

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



56.6267, 0.2215, 0.3126



56.6267, 0.3147, 0.2594



56.6267, 0.4026, 0.4130

Complementary

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



56.6267, 0.2215, 0.3126



18.2947, 0.6174, 0.3349

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.



56.6267, 0.4239, 0.3759



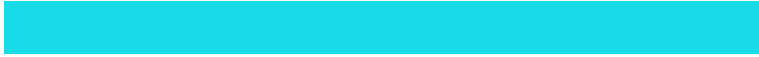
56.6267, 0.2215, 0.3126



56.6267, 0.3713, 0.2912

Square

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



56.6267, 0.2215, 0.3126



56.6267, 0.2624, 0.2425



56.6267, 0.4128, 0.3324



56.6267, 0.3576, 0.4308

Rectangle

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



56.6267, 0.2215, 0.3126



56.6267, 0.2194, 0.2499



56.6267, 0.4128, 0.3324



56.6267, 0.4129, 0.4021

Sweetspot

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



56.6288, 0.2215, 0.3126



86.6881, 0.2728, 0.3246



57.4450, 0.2990, 0.5877



18.2611, 0.2683, 0.3240



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.



56.6288, 0.2215, 0.3126



69.7047, 0.2196, 0.3105



18.6835, 0.1794, 0.1585



16.1863, 0.2982, 0.3276



31.3120, 0.2197, 0.3109



2.3575, 0.2205, 0.3137

Inverse Universe

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



22.7432, 0.3343, 0.1651



27.5679, 0.3362, 0.1626



35.1487, 0.5096, 0.4249



14.6001, 0.3147, 0.3072



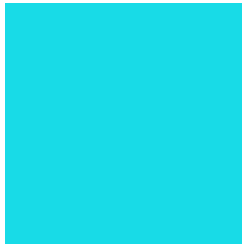
12.3587, 0.3359, 0.1624



0.9177, 0.3335, 0.1611

Previews

White Background



This preview shows how the Yxy color 56.6267, 0.2215, 0.3126 looks on a white background.

Color Contrast Check

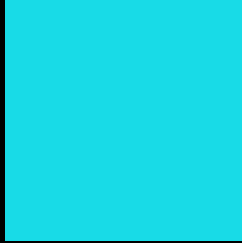
Large Text (above 18pt) WCAG AA × Fail

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 56.6267, 0.2215, 0.3126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

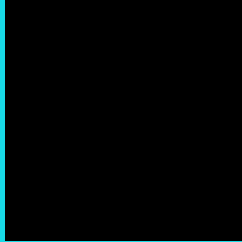
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.6267, 0.2215, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 56.6267, 0.2215, 0.3126.



This preview shows how white text looks on a background with the Yxy color 56.6267, 0.2215, 0.3126.

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

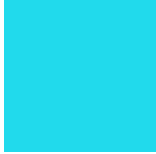
56.6267, 0.2215, 0.3126

Protanopia

55.4574, 0.2969, 0.3040

Deuteranopia

55.5495, 0.2841, 0.2773



Tritanopia

56.5223, 0.2202, 0.3047

Trichromacy



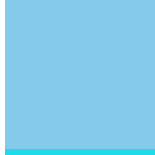
Original Color

56.6267, 0.2215, 0.3126



Protanomaly

53.3117, 0.2540, 0.3067



Deuteranomaly

53.2258, 0.2469, 0.2870



Tritanomaly

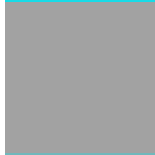
56.3593, 0.2206, 0.3073

Monochromacy



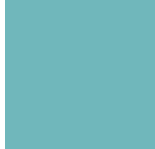
Original Color

56.6267, 0.2215, 0.3126



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

40.8996, 0.2572, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6267, 0.2215, 0.3126 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(24, 219, 231)` looks like.

```
.text, #text, p{  
    color:rgb(24, 219, 231)  
}
```

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(24, 219, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 219, 231) }
```

Border

The CSS property to change the border of an element to Yxy 56.6267, 0.2215, 0.3126 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(24, 219, 231) }
```

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

```
.border{ border-color:rgb(24, 219, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 219, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 219, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 219, 231);  
box-shadow:4px 4px 4px 4px rgb(24, 219,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6267, 0.2215, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 219, 231) }
```

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

```
.background{ background-color: rgb(24, 219,  
231) }
```

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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