

Converting Colors

$Y_{xy}(55.1862, 0.2256, 0.3232)$

Have a look what the booklet for
Yxy(55.1862, 0.2256, 0.3232)
contains.

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Color

Yxy(55.1862, 0.2256, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	22D9DD
RGB	34, 217, 221
RGB Percent	13%, 85%, 87%
CMY	0.8673, 0.1490, 0.1333
CMYK	0.85, 0.02, 0.00, 0.13
HSL	181°, 73%, 50%
HSV	181°, 85%, 87%
XYZ	38.5211, 55.1862, 77.0421
YIQ	162.7390, -110.3520, -37.5520

Conversions

Conversions Part 2

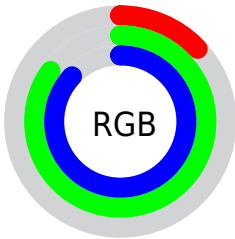
Format	Color
RYB	34, 126, 221
Decimal	2283997
CIELab	79.15, -40.10, -14.17
CIElCh	79, 42.534, 199.459
Yxy	55.1862, 0.2256, 0.3232
Android (android.graphics.Color)	4280474077 (0xFF22D9DD)
YUV	162.7390, 28.7227, -112.9041
Hunter-Lab	74.2874, -37.4434, -9.4874

Details

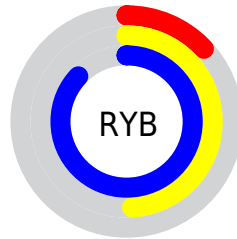
The Yxy color **55.1862, 0.2256, 0.3232** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.8661, 0.6063, 0.3320**, and the grayscale version is **36.3750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **28.2429, 0.2221, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **54.6833, 0.2235, 0.3225**, and if you desaturate by 10%, it is **55.9345, 0.2294, 0.3239**.

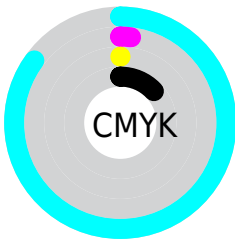
Distribution



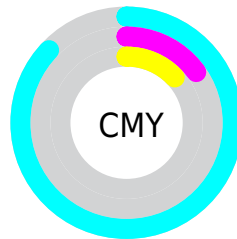
- Red (13%)
- Green (85%)
- Blue (87%)



- Red (13%)
- Yellow (49%)
- Blue (87%)



- Cyan (85%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)




- Cyan (87%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1862, 0.2256, 0.3232 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 55.1862, 0.2256, 0.3232 by changing the saturation by 10% instead.


 55.1862, 0.2256,
0.3232

 55.1862, 0.2256,
0.3232


406.6174, 0.2666,
0.3274

 39.5508, 0.2162,
0.3218

 97.8137, 0.2399,
0.3250

 27.1885, 0.2045,
0.3199

 125.5746, 0.2454,
0.3256


 17.7148, 0.1898,
0.3171


 158.1462, 0.2502,
0.3260

 10.7455, 0.1707,
0.3127

 195.9128, 0.2543,
0.3264

 5.8959, 0.1453,
0.3055

 239.2588, 0.2580,
0.3267

 2.7819, 0.1104,
0.2921

288.5686, 0.2612,

 1.0190, 0.0000,

0.3270

0.2822

344.2267, 0.2640,
0.3272

■ 0.0000, 0.0000,
0.0000

■ 55.1862, 0.2256,
0.3232

■ 55.1862, 0.2256,
0.3232

■ 54.6833, 0.2235,
0.3225

■ 55.9345, 0.2294,
0.3239

■ 54.4779, 0.2228,
0.3221

■ 56.9622, 0.2351,
0.3246

■ 58.3042, 0.2428,
0.3254

■ 59.9889, 0.2523,
0.3261

■ 62.0414, 0.2636,
0.3268

■ 64.4844, 0.2764,
0.3275

■ 67.3391, 0.2904,
0.3281

■ 70.6248, 0.3054,
0.3287

■ 74.3597, 0.3211,
0.3293

Harmonies

Analogous

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



55.1862, 0.2618, 0.3803



55.1862, 0.2256, 0.3232



55.1862, 0.2119, 0.2748

Triad

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



55.1862, 0.2256, 0.3232



55.1862, 0.3036, 0.2544



55.1862, 0.4094, 0.4072

Complementary

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



55.1862, 0.2256, 0.3232



16.8661, 0.6063, 0.3320

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.



55.1862, 0.4250, 0.3677



55.1862, 0.2256, 0.3232



55.1862, 0.3610, 0.2838

Square

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



55.1862, 0.2256, 0.3232



55.1862, 0.2535, 0.2409



55.1862, 0.4072, 0.3239



55.1862, 0.3679, 0.4301

Rectangle

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



55.1862, 0.2256, 0.3232



55.1862, 0.2158, 0.2538



55.1862, 0.4072, 0.3239



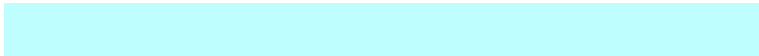
55.1862, 0.4181, 0.3951

Sweetspot

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



55.1882, 0.2256, 0.3232



88.9797, 0.2757, 0.3274



52.1945, 0.3002, 0.5835



18.7778, 0.2711, 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.



55.1882, 0.2256, 0.3232



75.3008, 0.2228, 0.3221



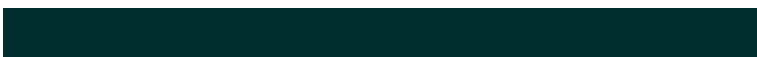
20.0506, 0.1868, 0.1787



14.7791, 0.2982, 0.3285



31.6630, 0.2229, 0.3223



2.0668, 0.2232, 0.3234

Inverse Universe

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



21.5199, 0.3252, 0.1631



28.1328, 0.3264, 0.1572



31.6005, 0.5065, 0.4194



13.2698, 0.3141, 0.3065



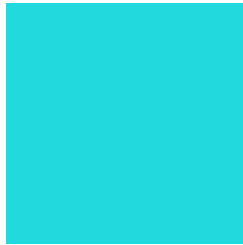
11.8202, 0.3263, 0.1571



0.7673, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 55.1862, 0.2256, 0.3232 looks on a white background.

Color Contrast Check

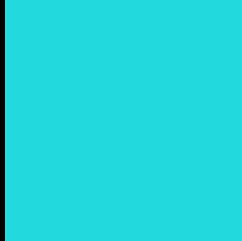
Large Text (above 18pt) WCAG AA × Fail

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 55.1862, 0.2256, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

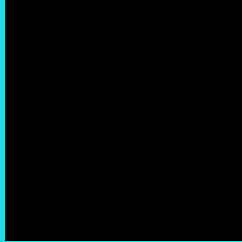
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

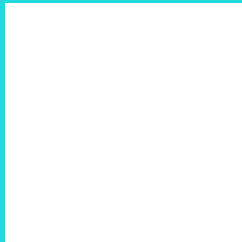
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.1862, 0.2256, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 55.1862, 0.2256, 0.3232.

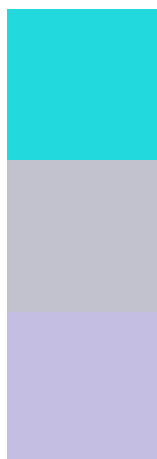


This preview shows how white text looks on a background with the Yxy color 55.1862, 0.2256, 0.3232.

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

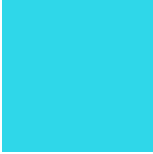
55.1862, 0.2256, 0.3232

Protanopia

54.0655, 0.3040, 0.3133

Deuteranopia

54.2433, 0.2914, 0.2858



Tritanopia

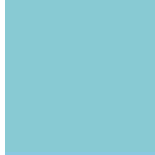
55.0884, 0.2221, 0.3046

Trichromacy



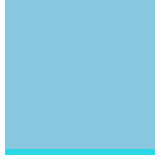
Original Color

55.1862, 0.2256, 0.3232



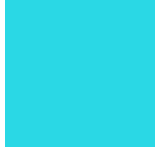
Protanomaly

52.1784, 0.2614, 0.3169



Deuteranomaly

52.1481, 0.2544, 0.2966



Tritanomaly

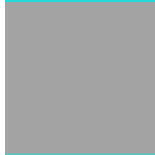
55.2611, 0.2232, 0.3111

Monochromacy



Original Color

55.1862, 0.2256, 0.3232



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

41.0407, 0.2615, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1862, 0.2256, 0.3232 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(34, 217, 221)` looks like.

```
.text, #text, p{  
    color:rgb(34, 217, 221)  
}
```

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(34, 217, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 217, 221) }
```

Border

The CSS property to change the border of an element to Yxy 55.1862, 0.2256, 0.3232 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(34, 217, 221) }
```

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

```
.border{ border-color:rgb(34, 217, 221) }
```

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

Here you see how a box with a 4 pixel rgb(34, 217, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 217, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 217, 221);  
box-shadow:4px 4px 4px 4px rgb(34, 217,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1862, 0.2256, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 217, 221) }
```

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

```
.background{ background-color: rgb(34, 217,  
221) }
```

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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