

Converting Colors

$Y_{xy}(55.1819, 0.2283, 0.3139)$

Have a look what the booklet for
Yxy(55.1819, 0.2283, 0.3139)
contains.

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Color

Yxy(55.1819, 0.2283, 0.3139)

Conversions

Conversions Part 1

Format	Color
Hex	40D7E2
RGB	64, 215, 226
RGB Percent	25%, 84%, 89%
CMY	0.7496, 0.1568, 0.1138
CMYK	0.72, 0.05, 0.00, 0.11
HSL	184°, 74%, 57%
HSV	184°, 72%, 89%
XYZ	40.1339, 55.1819, 80.4787
YIQ	171.1050, -93.5270, -28.5910

Conversions

Conversions Part 2

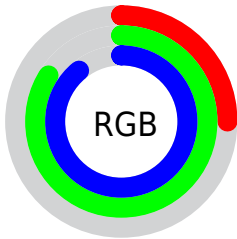
Format	Color
RYB	64, 142, 226
Decimal	4249570
CIELab	79.15, -35.00, -16.79
CIELCh	79, 38.817, 205.622
Yxy	55.1819, 0.2283, 0.3139
Android (android.graphics.Color)	4282439650 (0xFF40D7E2)
YUV	171.1050, 27.0632, -93.9311
Hunter-Lab	74.2845, -33.5593, -12.2347

Details

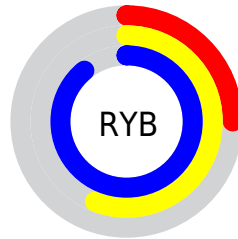
The Yxy color **55.1819, 0.2283, 0.3139** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.5461, 0.5479, 0.3394**, and the grayscale version is **40.6588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **28.0819, 0.2192, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **53.7998, 0.2234, 0.3116**, and if you desaturate by 10%, it is **56.8819, 0.2352, 0.3162**.

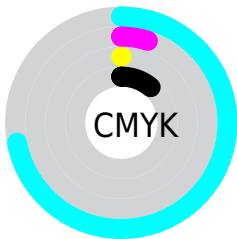
Distribution



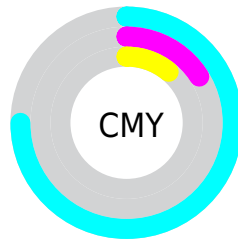
- Red (25%)
- Green (84%)
- Blue (89%)



- Red (25%)
- Yellow (56%)
- Blue (89%)



- Cyan (72%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)





- Cyan (75%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1819, 0.2283, 0.3139 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 55.1819, 0.2283, 0.3139 by changing the saturation by 10% instead.


 55.1819, 0.2283,
0.3139

 55.1819, 0.2283,
0.3139

406.6011, 0.2680,
0.3225


 39.5474, 0.2192,
0.3115

 97.8074, 0.2421,
0.3172


 27.1858, 0.2079,
0.3083


 125.5672, 0.2475,
0.3184

 17.7128, 0.1937,
0.3039


 158.1375, 0.2521,
0.3194

 10.7440, 0.1753,
0.2974

 195.9028, 0.2561,
0.3202

 5.8950, 0.1507,
0.2873

239.2474, 0.2596,
0.3209

 2.7813, 0.1168,
0.2703

288.5557, 0.2627,

 1.0187, 0.0264,

0.3215

0.2492

344.2121, 0.2655,
0.3221

0.0000, 0.0000,
0.0000

55.1819, 0.2283,
0.3139

55.1819, 0.2283,
0.3139

53.7998, 0.2234,
0.3116

56.8819, 0.2352,
0.3162

52.6897, 0.2203,
0.3093


58.9267, 0.2440,
0.3185


51.9255, 0.2187,
0.3075


61.3473, 0.2545,
0.3208


64.1695, 0.2667,
0.3229

67.4166, 0.2802,
0.3250

 71.1105, 0.2947,
0.3269

 75.2712, 0.3100,
0.3287

 79.9177, 0.3257,
0.3303

 82.6689, 0.3329,
0.3318

Harmonies

Analogous

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



55.1819, 0.2580, 0.3654



55.1819, 0.2283, 0.3139



55.1819, 0.2199, 0.2728

Triad

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



55.1819, 0.2283, 0.3139



55.1819, 0.3153, 0.2647



55.1819, 0.3953, 0.4070

Complementary

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



55.1819, 0.2283, 0.3139



21.5461, 0.5479, 0.3394

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.



55.1819, 0.4148, 0.3733



55.1819, 0.2283, 0.3139



55.1819, 0.3670, 0.2946

Square

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



55.1819, 0.2283, 0.3139



55.1819, 0.2669, 0.2489



55.1819, 0.4047, 0.3330



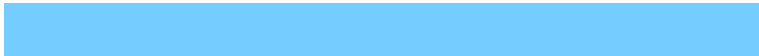
55.1819, 0.3540, 0.4222

Rectangle

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



55.1819, 0.2283, 0.3139



55.1819, 0.2265, 0.2559



55.1819, 0.4047, 0.3330



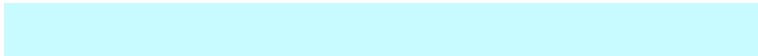
55.1819, 0.4048, 0.3972

Sweetspot

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



55.1840, 0.2283, 0.3139



88.4692, 0.2796, 0.3249



55.9759, 0.2986, 0.5470



18.6757, 0.2758, 0.3244



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.



55.1840, 0.2283, 0.3139



70.0008, 0.2216, 0.3105



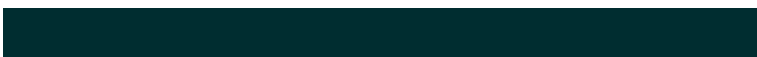
23.6588, 0.1977, 0.1919



15.4051, 0.2982, 0.3274



29.6975, 0.2188, 0.3078



2.1069, 0.2198, 0.3113

Inverse Universe

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



24.7256, 0.3321, 0.1807



28.8041, 0.3359, 0.1680



40.2238, 0.4664, 0.4251



13.9188, 0.3148, 0.3074



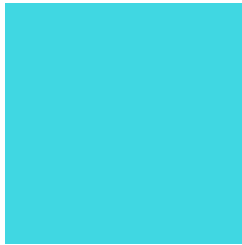
11.9060, 0.3386, 0.1639



0.8302, 0.3356, 0.1622

Previews

White Background



This preview shows how the Yxy color 55.1819, 0.2283, 0.3139 looks on a white background.

Color Contrast Check

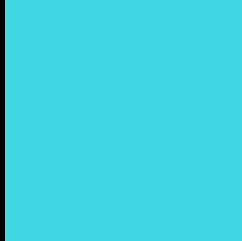
Large Text (above 18pt) WCAG AA × Fail

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 55.1819, 0.2283, 0.3139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

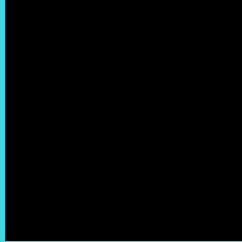
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.1819, 0.2283, 0.3139

Background



This preview shows how black text looks on a background with the Yxy color 55.1819, 0.2283, 0.3139.

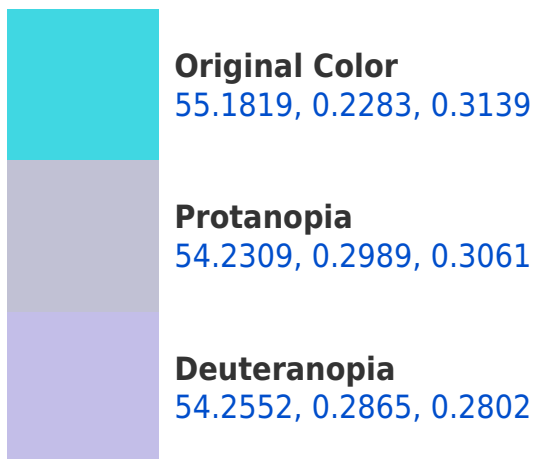


This preview shows how white text looks on a background with the Yxy color 55.1819, 0.2283, 0.3139.

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





Tritanopia

55.1126, 0.2263, 0.3047

Trichromacy



Original Color

55.1819, 0.2283, 0.3139



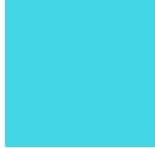
Protanomaly

52.8940, 0.2637, 0.3082



Deuteranomaly

52.7631, 0.2567, 0.2898



Tritanomaly

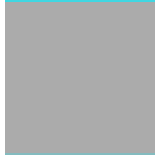
54.9646, 0.2268, 0.3073

Monochromacy



Original Color

55.1819, 0.2283, 0.3139



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.2078, 0.2682, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1819, 0.2283, 0.3139 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(64, 215, 226)` looks like.

```
.text, #text, p{  
    color:rgb(64, 215, 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(64, 215, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 215, 226) }
```

Border

The CSS property to change the border of an element to Yxy 55.1819, 0.2283, 0.3139 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(64, 215, 226) }
```

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

```
.border{ border-color:rgb(64, 215, 226) }
```

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

Here you see how a box with a 4 pixel rgb(64, 215, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 215, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 215, 226);  
box-shadow:4px 4px 4px 4px rgb(64, 215,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1819, 0.2283, 0.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 215, 226) }
```

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

```
.background{ background-color: rgb(64, 215,  
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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