

Converting Colors

$Y_{xy}(55.8726, 0.2162, 0.2984)$

Have a look what the booklet for
Yxy(55.8726, 0.2162, 0.2984)
contains.

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Color

$\text{Yxy}(55.9170, 0.2162, 0.2981)$

Conversions

Conversions Part 1

Format	Color
Hex	01D9F0
RGB	1, 217, 240
RGB Percent	0%, 85%, 94%
CMY	0.9949, 0.1491, 0.0588
CMYK	0.99, 0.10, 0.00, 0.06
HSL	186°, 99%, 47%
HSV	186°, 99%, 94%
XYZ	40.5544, 55.9170, 91.1066
YIQ	155.0380, -136.1190, -38.6390

Conversions

Conversions Part 2

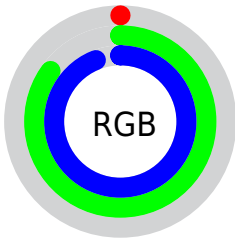
Format	Color
RYB	1, 114, 240
Decimal	121328
CIELab	79.57, -35.51, -23.69
CIELCh	80, 42.687, 213.714
Yxy	55.9170, 0.2162, 0.2981
Android (android.graphics.Color)	4278311408 (0xFF01D9F0)
YUV	155.0380, 41.8863, -135.0913
Hunter-Lab	74.7777, -34.0546, -19.8926

Details

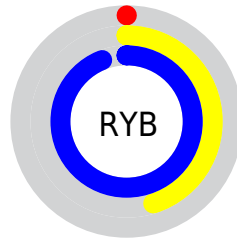
The Yxy color **55.9170, 0.2162, 0.2981** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **19.1978, 0.6331, 0.3350**, and the grayscale version is **32.6894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **29.3014, 0.2141, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **55.8467, 0.2161, 0.2979**, and if you desaturate by 10%, it is **57.3232, 0.2185, 0.3014**.

Distribution



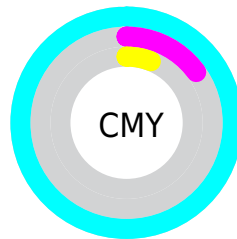
- Red (0%)
- Green (85%)
- Blue (94%)



- Red (0%)
- Yellow (45%)
- Blue (94%)



- Cyan (99%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)





- Cyan (99%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9170, 0.2162, 0.2981 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 55.9170, 0.2162, 0.2981 by changing the saturation by 10% instead.

 55.9170, 0.2162,
0.2981

 55.9170, 0.2162,
0.2981


409.3786, 0.2609,
0.3146


 40.1364, 0.2061,
0.2938


 98.8832, 0.2317,
0.3043


 27.6449, 0.1938,
0.2882


 126.8376, 0.2377,
0.3065


 18.0581, 0.1784,
0.2807


 159.6187, 0.2429,
0.3084

 10.9917, 0.1587,
0.2703

 197.6109, 0.2474,
0.3100

 6.0613, 0.1332,
0.2549

 241.1986, 0.2514,
0.3114

 2.8824, 0.0995,
0.2308

290.7662, 0.2550,

 1.0706, 0.0257,

0.3126

0.1965

346.6981, 0.2581,
0.3137

■ 0.0000, 0.0000,
0.0000

■ 55.9170, 0.2162,
0.2981

■ 55.9170, 0.2162,
0.2981

■ 55.8467, 0.2161,
0.2979

■ 57.3232, 0.2185,
0.3014

■ 58.9919, 0.2223,
0.3047

■ 60.9954, 0.2280,
0.3081

■ 63.3778, 0.2357,
0.3115

■ 66.1764, 0.2452,
0.3148

■ 69.4237, 0.2565,
0.3180

■ 73.1491, 0.2693,
0.3211

■ 77.3792, 0.2832,
0.3240

■ 82.1388, 0.2981,
0.3267

Harmonies

Analogous

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



55.9170, 0.2421, 0.3534



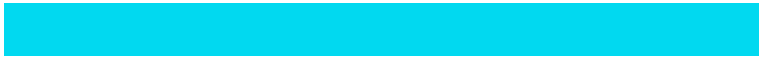
55.9170, 0.2162, 0.2981



55.9170, 0.2137, 0.2589

Triad

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



55.9170, 0.2162, 0.2981



55.9170, 0.3310, 0.2667



55.9170, 0.3921, 0.4210

Complementary

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



55.9170, 0.2162, 0.2981



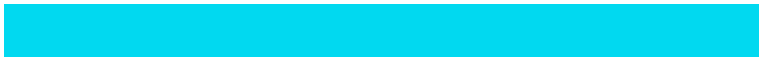
19.1978, 0.6331, 0.3350

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.



55.9170, 0.4215, 0.3876



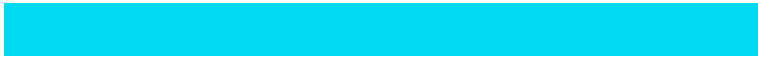
55.9170, 0.2162, 0.2981



55.9170, 0.3856, 0.3020

Square

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



55.9170, 0.2162, 0.2981



55.9170, 0.2756, 0.2451



55.9170, 0.4198, 0.3447



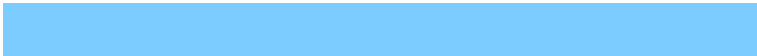
55.9170, 0.3428, 0.4308

Rectangle

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



55.9170, 0.2162, 0.2981



55.9170, 0.2249, 0.2449



55.9170, 0.4198, 0.3447



55.9170, 0.4048, 0.4117

Sweetspot

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



55.9190, 0.2162, 0.2981



83.6453, 0.2684, 0.3209



62.3939, 0.2988, 0.5952



17.5050, 0.2629, 0.3196



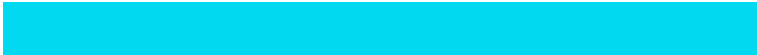
0.0000, 0.0000, 0.0000



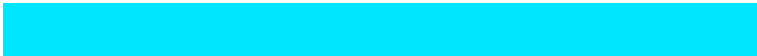
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.9190, 0.2162, 0.2981



64.0355, 0.2161, 0.2978



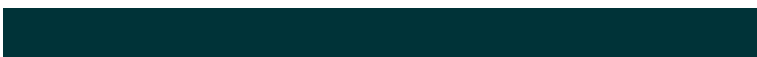
15.5612, 0.1694, 0.1293



17.6530, 0.2981, 0.3267



30.6752, 0.2162, 0.2985



2.6269, 0.2175, 0.3028

Inverse Universe

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



23.5654, 0.3471, 0.1687



26.9956, 0.3473, 0.1687



37.4477, 0.5176, 0.4269



16.0036, 0.3153, 0.3079



12.8900, 0.3468, 0.1684



1.0799, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 55.9170, 0.2162, 0.2981 looks on a white background.

Color Contrast Check

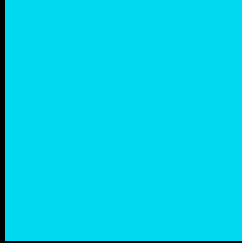
Large Text (above 18pt) WCAG AA × Fail

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 55.9170, 0.2162, 0.2981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

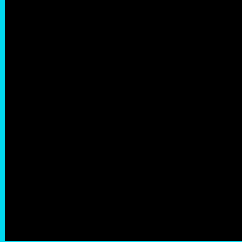
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.9170, 0.2162, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 55.9170, 0.2162, 0.2981.

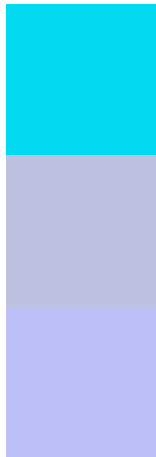


This preview shows how white text looks on a background with the Yxy color 55.9170, 0.2162, 0.2981.

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

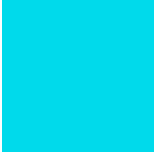
55.9234, 0.2162, 0.2981

Protanopia

54.9670, 0.2877, 0.2923

Deuteranopia

55.1719, 0.2735, 0.2672



Tritanopia

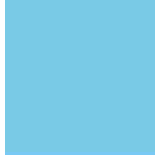
56.1410, 0.2183, 0.3059

Trichromacy



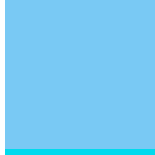
Original Color

55.9234, 0.2162, 0.2981



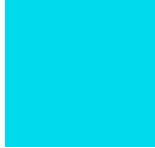
Protanomaly

52.0192, 0.2433, 0.2924



Deuteranomaly

52.3699, 0.2364, 0.2745



Tritanomaly

56.2572, 0.2176, 0.3033

Monochromacy



Original Color

55.9234, 0.2162, 0.2981



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

38.0386, 0.2490, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9170, 0.2162, 0.2981 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(1, 217, 240)` looks like.

```
.text, #text, p{  
    color:rgb(1, 217, 240)  
}
```

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(1, 217, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 217, 240) }
```

Border

The CSS property to change the border of an element to Yxy 55.9170, 0.2162, 0.2981 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(1, 217, 240) }
```

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

```
.border{ border-color:rgb(1, 217, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 217, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 217, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 217, 240);  
box-shadow:4px 4px 4px 4px rgb(1, 217,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9170, 0.2162, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 217, 240) }
```

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

```
.background{ background-color: rgb(1, 217,  
240) }
```

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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