

Converting Colors

$Y_{xy}(55.0864, 0.2203, 0.3068)$

Have a look what the booklet for
Yxy(55.0864, 0.2203, 0.3068)
contains.

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Color

Yxy(55.1848, 0.2204, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	1CD8E8
RGB	28, 216, 232
RGB Percent	11%, 85%, 91%
CMY	0.8891, 0.1530, 0.0902
CMYK	0.88, 0.07, 0.00, 0.09
HSL	185°, 82%, 51%
HSV	185°, 88%, 91%
XYZ	39.6051, 55.1848, 84.9066
YIQ	161.6120, -117.1840, -34.8800

Conversions

Conversions Part 2

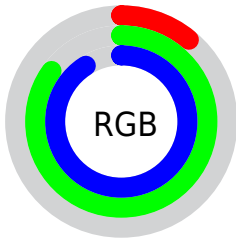
Format	Color
R _Y B	28, 126, 232
Decimal	1890536
CIE Lab	79.15, -36.66, -20.04
CIE LCh	79, 41.781, 208.662
Yxy	55.1848, 0.2204, 0.3071
Android (android.graphics.Color)	4280080616 (0xFF1CD8E8)
YUV	161.6120, 34.7013, -117.1777
Hunter-Lab	74.2865, -34.8358, -15.7657

Details

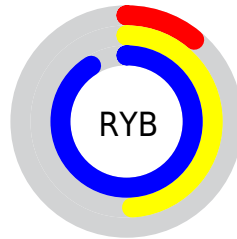
The Yxy color **55.1848, 0.2204, 0.3071** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **19.0633, 0.6095, 0.3377**, and the grayscale version is **35.8561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **28.6243, 0.2173, 0.3022** is the 20% darker color. If you saturate the color by 10%, you get **54.0401, 0.2181, 0.3045**, and if you desaturate by 10%, it is **56.5913, 0.2243, 0.3098**.

Distribution



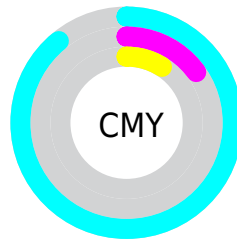
- Red (11%)
- Green (85%)
- Blue (91%)



- Red (11%)
- Yellow (49%)
- Blue (91%)



- Cyan (88%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)





- Cyan (89%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1848, 0.2204, 0.3071 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 55.1848, 0.2204, 0.3071 by changing the saturation by 10% instead.


 55.1848, 0.2204,
0.3071

 55.1848, 0.2204,
0.3071


406.6121, 0.2635,
0.3192


 39.5497, 0.2106,
0.3038

 97.8117, 0.2354,
0.3117

 27.1876, 0.1985,
0.2995


 125.5722, 0.2412,
0.3134


 17.7142, 0.1834,
0.2936

 158.1434, 0.2462,
0.3148

 10.7450, 0.1639,
0.2851

 195.9095, 0.2506,
0.3160

 5.8956, 0.1383,
0.2723

 239.2551, 0.2544,
0.3170

 2.7817, 0.1040,
0.2513

288.5644, 0.2578,

 1.0189, 0.0148,

0.3178

0.2237

344.2220, 0.2608,
0.3186

■ 0.0000, 0.0000,
0.0000

■ 55.1848, 0.2204,
0.3071

■ 55.1848, 0.2204,
0.3071

■ 54.0401, 0.2181,
0.3045

■ 56.5913, 0.2243,
0.3098

■ 53.8054, 0.2178,
0.3039

■ 58.3073, 0.2301,
0.3125

■ 60.3741, 0.2379,
0.3152

■ 62.8251, 0.2475,
0.3179

■ 65.6897, 0.2589,
0.3205

■ 68.9942, 0.2717,
0.3229

■ 72.7631, 0.2857,
0.3253

■ 77.0186, 0.3007,
0.3274

■ 81.7818, 0.3161,
0.3294

Harmonies

Analogous

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



55.1848, 0.2497, 0.3626



55.1848, 0.2204, 0.3071



55.1848, 0.2140, 0.2651

Triad

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



55.1848, 0.2204, 0.3071



55.1848, 0.3211, 0.2630



55.1848, 0.3975, 0.4153

Complementary

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



55.1848, 0.2204, 0.3071



19.0633, 0.6095, 0.3377

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.



55.1848, 0.4217, 0.3800



55.1848, 0.2204, 0.3071



55.1848, 0.3762, 0.2959

Square

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



55.1848, 0.2204, 0.3071



55.1848, 0.2681, 0.2444



55.1848, 0.4144, 0.3372



55.1848, 0.3514, 0.4296

Rectangle

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



55.1848, 0.2204, 0.3071



55.1848, 0.2225, 0.2488



55.1848, 0.4144, 0.3372



55.1848, 0.4086, 0.4051

Sweetspot

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



55.1868, 0.2204, 0.3071



86.2425, 0.2740, 0.3233



58.1298, 0.2984, 0.5829



18.1334, 0.2693, 0.3225



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.



55.1868, 0.2204, 0.3071



66.6189, 0.2177, 0.3038



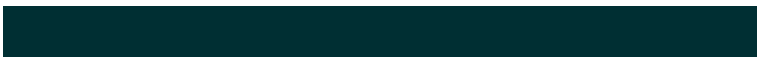
18.6968, 0.1797, 0.1573



16.1324, 0.2982, 0.3271



29.9569, 0.2179, 0.3043



2.2715, 0.2189, 0.3082

Inverse Universe

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



22.9572, 0.3389, 0.1688



27.2564, 0.3421, 0.1658



37.1028, 0.5019, 0.4289



14.5947, 0.3150, 0.3076



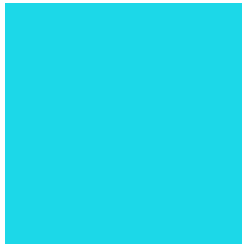
12.2219, 0.3416, 0.1656



0.9090, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 55.1848, 0.2204, 0.3071 looks on a white background.

Color Contrast Check

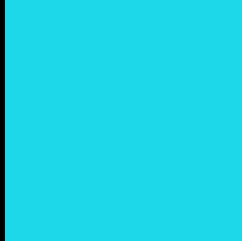
Large Text (above 18pt) WCAG AA × Fail

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 55.1848, 0.2204, 0.3071 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 55.1848, 0.2204, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 55.1848, 0.2204, 0.3071.



This preview shows how white text looks on a background with the Yxy color 55.1848, 0.2204, 0.3071.

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

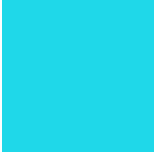
55.1848, 0.2204, 0.3071

Protanopia

54.2260, 0.2939, 0.3002

Deuteranopia

54.0763, 0.2797, 0.2734



Tritanopia

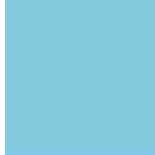
55.2862, 0.2203, 0.3058

Trichromacy



Original Color

55.1848, 0.2204, 0.3071



Protanomaly

51.9527, 0.2529, 0.3014



Deuteranomaly

51.8085, 0.2452, 0.2818



Tritanomaly

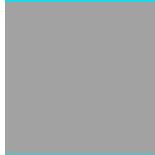
55.2709, 0.2202, 0.3058

Monochromacy



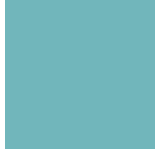
Original Color

55.1848, 0.2204, 0.3071



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

40.5545, 0.2576, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1848, 0.2204, 0.3071 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(28, 216, 232)` looks like.

```
.text, #text, p{  
    color:rgb(28, 216, 232)  
}
```

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(28, 216, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 216, 232) }
```

Border

The CSS property to change the border of an element to Yxy 55.1848, 0.2204, 0.3071 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(28, 216, 232) }
```

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

```
.border{ border-color:rgb(28, 216, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 216, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 216, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 216, 232);  
box-shadow:4px 4px 4px 4px rgb(28, 216,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1848, 0.2204, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 216, 232) }
```

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

```
.background{ background-color: rgb(28, 216,  
232) }
```

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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