

Converting Colors

$Yxy(55.4895, 0.2197, 0.3035)$

Have a look what the booklet for
Yxy(55.4895, 0.2197, 0.3035)
contains.

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Color

Yxy(55.4012, 0.2196, 0.3032)

Conversions

Conversions Part 1

Format	Color
Hex	1FD8EB
RGB	31, 216, 235
RGB Percent	12%, 85%, 92%
CMY	0.8772, 0.1530, 0.0783
CMYK	0.87, 0.08, 0.00, 0.08
HSL	186°, 84%, 52%
HSV	186°, 87%, 92%
XYZ	40.1257, 55.4012, 87.1948
YIQ	162.8510, -116.3590, -33.3110

Conversions

Conversions Part 2

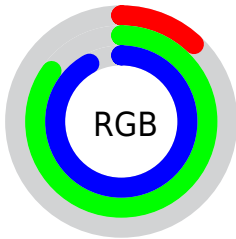
Format	Color
RYP	31, 128, 235
Decimal	2087147
CIELab	79.27, -35.57, -21.46
CIElCh	79, 41.543, 211.110
Yxy	55.4012, 0.2196, 0.3032
Android (android.graphics.Color)	4280277227 (0xFF1FD8EB)
YUV	162.8510, 35.5695, -115.6333
Hunter-Lab	74.4320, -34.0281, -17.3540

Details

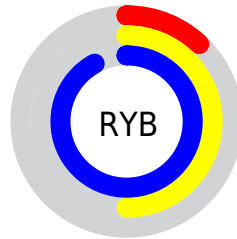
The Yxy color **55.4012, 0.2196, 0.3032** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **20.0783, 0.6040, 0.3399**, and the grayscale version is **36.4675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **28.7444, 0.2159, 0.2972** is the 20% darker color. If you saturate the color by 10%, you get **54.0397, 0.2170, 0.3000**, and if you desaturate by 10%, it is **57.0468, 0.2239, 0.3064**.

Distribution



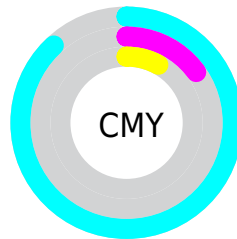
- Red (12%)
- Green (85%)
- Blue (92%)



- Red (12%)
- Yellow (50%)
- Blue (92%)



- Cyan (87%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)



- Cyan (88%)
- Magenta (15%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4012, 0.2196, 0.3032 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 55.4012, 0.2196, 0.3032 by changing the saturation by 10% instead.

 55.4012, 0.2196,
0.3032


 55.4012, 0.2196,
0.3032


407.4309, 0.2630,
0.3172

 39.7230, 0.2097,
0.2995

 98.1285, 0.2346,
0.3085

 27.3227, 0.1977,
0.2946


 125.9465, 0.2405,
0.3104


 17.8157, 0.1825,
0.2880


 158.5798, 0.2455,
0.3120

 10.8177, 0.1631,
0.2787

 196.4129, 0.2499,
0.3134

 5.9444, 0.1376,
0.2648

 239.8302, 0.2538,
0.3146

 2.8113, 0.1036,
0.2425

289.2160, 0.2572,

 1.0340, 0.0220,

0.3156

0.2117

344.9548, 0.2603,
0.3164

■ 0.0000, 0.0000,
0.0000

■ 55.4012, 0.2196,
0.3032

■ 55.4012, 0.2196,
0.3032

■ 54.0397, 0.2170,
0.3000

■ 57.0468, 0.2239,
0.3064

■ 53.6211, 0.2164,
0.2990

■ 59.0209, 0.2301,
0.3097

■ 61.3650, 0.2383,
0.3129

■ 64.1133, 0.2483,
0.3161

■ 67.2957, 0.2600,
0.3192

■ 70.9392, 0.2731,
0.3221

■ 75.0687, 0.2873,
0.3249

■ 79.7071, 0.3024,
0.3274

■ 84.8760, 0.3179,
0.3298

Harmonies

Analogous

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



55.4012, 0.2469, 0.3578



55.4012, 0.2196, 0.3032



55.4012, 0.2151, 0.2630

Triad

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



55.4012, 0.2196, 0.3032



55.4012, 0.3257, 0.2656



55.4012, 0.3939, 0.4168

Complementary

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



55.4012, 0.2196, 0.3032



20.0783, 0.6040, 0.3399

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.



55.4012, 0.4201, 0.3831



55.4012, 0.2196, 0.3032



55.4012, 0.3797, 0.2992

Square

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



55.4012, 0.2196, 0.3032



55.4012, 0.2722, 0.2458



55.4012, 0.4155, 0.3407



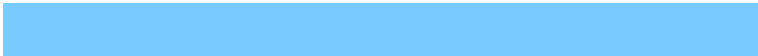
55.4012, 0.3468, 0.4287

Rectangle

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



55.4012, 0.2196, 0.3032



55.4012, 0.2248, 0.2480



55.4012, 0.4155, 0.3407



55.4012, 0.4055, 0.4073

Sweetspot

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



55.4032, 0.2196, 0.3032



85.6313, 0.2739, 0.3223



59.9437, 0.2977, 0.5789



17.9858, 0.2692, 0.3213



0.0000, 0.0000, 0.0000



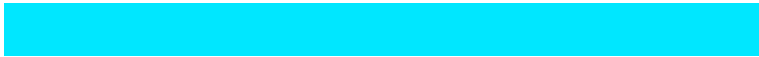
21.4041, 0.3127, 0.3290

Same Dimension

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



55.4032, 0.2196, 0.3032



64.4687, 0.2164, 0.2988



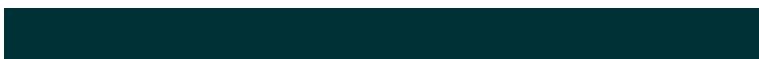
18.8314, 0.1794, 0.1546



16.8672, 0.2981, 0.3267



29.9367, 0.2165, 0.2995



2.4210, 0.2178, 0.3039

Inverse Universe

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



23.6205, 0.3422, 0.1714



27.0393, 0.3464, 0.1682



39.6265, 0.4959, 0.4324



15.2881, 0.3152, 0.3079



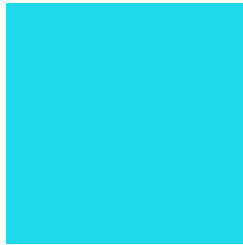
12.5149, 0.3459, 0.1679



0.9898, 0.3420, 0.1658

Previews

White Background



This preview shows how the Yxy color 55.4012, 0.2196, 0.3032 looks on a white background.

Color Contrast Check

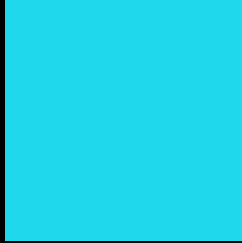
Large Text (above 18pt) WCAG AA × Fail

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 55.4012, 0.2196, 0.3032 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 55.4012, 0.2196, 0.3032

Background



This preview shows how black text looks on a background with the Yxy color 55.4012, 0.2196, 0.3032.

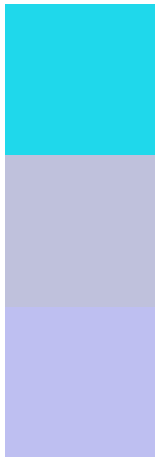


This preview shows how white text looks on a background with the Yxy color 55.4012, 0.2196, 0.3032.

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

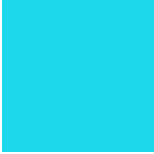
55.4012, 0.2196, 0.3032

Protanopia

54.3836, 0.2918, 0.2968

Deuteranopia

54.5596, 0.2772, 0.2713



Tritanopia

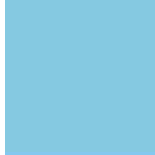
55.3135, 0.2197, 0.3045

Trichromacy



Original Color

55.4012, 0.2196, 0.3032



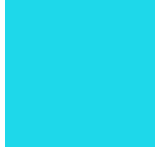
Protanomaly

52.1961, 0.2518, 0.2977



Deuteranomaly

52.4461, 0.2439, 0.2796



Tritanomaly

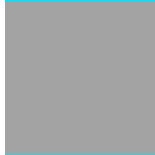
55.3283, 0.2198, 0.3045

Monochromacy



Original Color

55.4012, 0.2196, 0.3032



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.7749, 0.2576, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4012, 0.2196, 0.3032 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(31, 216, 235)` looks like.

```
.text, #text, p{  
    color:rgb(31, 216, 235)  
}
```

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(31, 216, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 216, 235) }
```

Border

The CSS property to change the border of an element to Yxy 55.4012, 0.2196, 0.3032 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(31, 216, 235) }
```

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

```
.border{ border-color:rgb(31, 216, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 216, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 216, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 216, 235);  
box-shadow:4px 4px 4px 4px rgb(31, 216,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4012, 0.2196, 0.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 216, 235) }
```

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

```
.background{ background-color: rgb(31, 216,  
235) }
```

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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