

Converting Colors

$Y_{xy}(55.8243, 0.2139, 0.2761)$

Have a look what the booklet for
Yxy(55.8243, 0.2139, 0.2761)
contains.

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Color

Yxy(55.9415, 0.2140, 0.2764)

Conversions

Conversions Part 1

Format	Color
Hex	30D6FF
RGB	48, 214, 255
RGB Percent	19%, 84%, 100%
CMY	0.8123, 0.1608, 0.0000
CMYK	0.81, 0.16, 0.00, 0.00
HSL	192°, 100%, 59%
HSV	192°, 81%, 100%
XYZ	43.3122, 55.9415, 103.1396
YIQ	169.0400, -112.0970, -22.4410

Conversions

Conversions Part 2

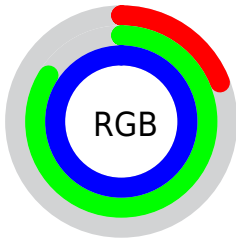
Format	Color
R _Y B	48, 140, 255
Decimal	3200767
CIE Lab	79.58, -27.22, -31.63
CIE LCh	80, 41.728, 229.280
Yxy	55.9415, 0.2140, 0.2764
Android (android.graphics.Color)	4281390847 (0xFF30D6FF)
YUV	169.0400, 42.3783, -106.1521
Hunter-Lab	74.7941, -27.5228, -29.4040

Details

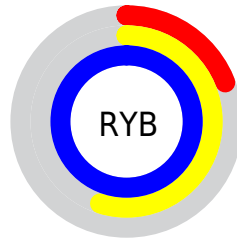
The Yxy color **55.9415, 0.2140, 0.2764** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **28.5908, 0.5678, 0.3581**, and the grayscale version is **39.5042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **28.8735, 0.2067, 0.2642** is the 20% darker color. If you saturate the color by 10%, you get **52.9770, 0.2092, 0.2692**, and if you desaturate by 10%, it is **59.3417, 0.2208, 0.2837**.

Distribution



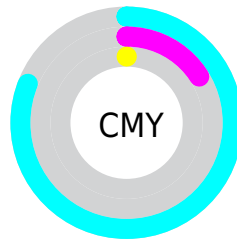
- Red (19%)
- Green (84%)
- Blue (100%)



- Red (19%)
- Yellow (55%)
- Blue (100%)



- Cyan (81%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9415, 0.2140, 0.2764 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 55.9415, 0.2140, 0.2764 by changing the saturation by 10% instead.


 55.9415, 0.2140,
0.2764


 55.9415, 0.2140,
0.2764


 409.4710, 0.2595,
0.3029


 40.1560, 0.2038,
0.2699


 98.9190, 0.2296,
0.2860

 27.6602, 0.1915,
0.2617


 126.8799, 0.2358,
0.2896

 18.0697, 0.1761,
0.2510


 159.6680, 0.2411,
0.2927

 11.0000, 0.1567,
0.2368

 197.6677, 0.2457,
0.2953

 6.0669, 0.1318,
0.2169

 241.2635, 0.2498,
0.2976

 2.8858, 0.0994,
0.1880

 290.8397, 0.2534,

 1.0724, 0.0469,

0.2996

0.1464

346.7807, 0.2566,
0.3013

■ 0.0000, 0.0000,
0.0000

■ 55.9415, 0.2140,
0.2764

■ 55.9415, 0.2140,
0.2764

■ 52.9770, 0.2092,
0.2692

■ 59.3417, 0.2208,
0.2837

■ 50.6625, 0.2064,
0.2629

■ 63.2296, 0.2295,
0.2910

■ 67.6511, 0.2401,
0.2981

■ 72.6453, 0.2522,
0.3050

■ 78.2475, 0.2657,
0.3115

84.4898, 0.2802,
0.3176

91.4017, 0.2953,
0.3233

99.0108, 0.3108,
0.3284

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



55.9415, 0.2276, 0.3238



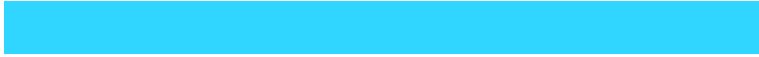
55.9415, 0.2140, 0.2764



55.9415, 0.2234, 0.2489

Triad

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



55.9415, 0.2140, 0.2764



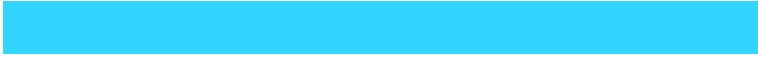
55.9415, 0.3596, 0.2846



55.9415, 0.3671, 0.4277

Complementary

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



55.9415, 0.2140, 0.2764



28.5908, 0.5678, 0.3581

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.



55.9415, 0.4075, 0.4054



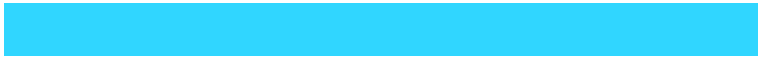
55.9415, 0.2140, 0.2764



55.9415, 0.4048, 0.3238

Square

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



55.9415, 0.2140, 0.2764



55.9415, 0.3036, 0.2558



55.9415, 0.4224, 0.3668



55.9415, 0.3141, 0.4199

Rectangle

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



55.9415, 0.2140, 0.2764



55.9415, 0.2420, 0.2425



55.9415, 0.4224, 0.3668



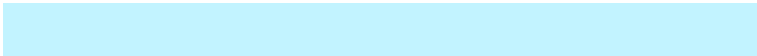
55.9415, 0.3826, 0.4230

Sweetspot

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



55.9421, 0.2140, 0.2764



82.6979, 0.2761, 0.3160



72.8139, 0.2922, 0.5506



17.2225, 0.2709, 0.3138



0.0000, 0.0000, 0.0000



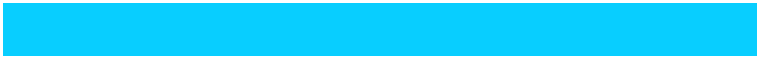
21.4041, 0.3127, 0.3290

Same Dimension

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



55.9421, 0.2140, 0.2764



51.4375, 0.2073, 0.2650



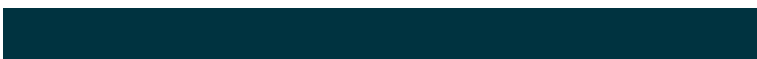
19.7553, 0.1775, 0.1391



19.8347, 0.2980, 0.3242



26.6877, 0.2067, 0.2641



2.7468, 0.2090, 0.2723

Inverse Universe

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



28.2172, 0.3657, 0.1896



25.8849, 0.3774, 0.1862



58.0409, 0.4659, 0.4502



18.2351, 0.3168, 0.3101



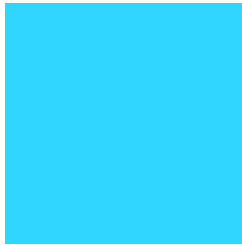
13.4221, 0.3785, 0.1859



1.3218, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 55.9415, 0.2140, 0.2764 looks on a white background.

Color Contrast Check

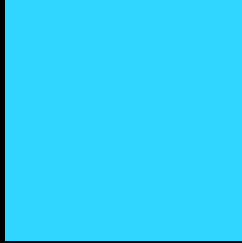
Large Text (above 18pt) WCAG AA × Fail

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 55.9415, 0.2140, 0.2764 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 55.9415, 0.2140, 0.2764

Background



This preview shows how black text looks on a background with the Yxy color 55.9415, 0.2140, 0.2764.

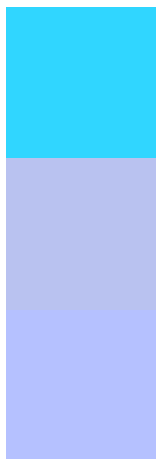


This preview shows how white text looks on a background with the Yxy color 55.9415, 0.2140, 0.2764.

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

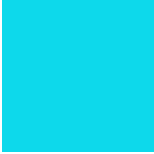
55.9415, 0.2140, 0.2764

Protanopia

55.1891, 0.2746, 0.2754

Deuteranopia

55.1837, 0.2629, 0.2583



Tritanopia

55.7094, 0.2185, 0.3045

Trichromacy



Original Color

55.9415, 0.2140, 0.2764



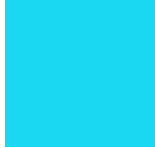
Protanomaly

53.5168, 0.2428, 0.2743



Deuteranomaly

53.9798, 0.2371, 0.2632



Tritanomaly

55.7422, 0.2166, 0.2944

Monochromacy



Original Color

55.9415, 0.2140, 0.2764



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

43.2280, 0.2578, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9415, 0.2140, 0.2764 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(48, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 214, 255)  
}
```

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(48, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.9415, 0.2140, 0.2764 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(48, 214, 255) }
```

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

```
.border{ border-color:rgb(48, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9415, 0.2140, 0.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 214, 255) }
```

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

```
.background{ background-color: rgb(48, 214,  
255) }
```

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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