

Converting Colors

$Y_{xy}(55.2265, 0.2111, 0.2753)$

Have a look what the booklet for
Yxy(55.2265, 0.2111, 0.2753)
contains.

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Color

Yxy(55.0152, 0.2110, 0.2747)

Conversions

Conversions Part 1

Format	Color
Hex	1AD5FF
RGB	26, 213, 255
RGB Percent	10%, 84%, 100%
CMY	0.8992, 0.1648, 0.0000
CMYK	0.90, 0.16, 0.00, 0.00
HSL	191°, 100%, 55%
HSV	191°, 90%, 100%
XYZ	42.2578, 55.0152, 103.0008
YIQ	161.8750, -124.9340, -26.5820

Conversions

Conversions Part 2

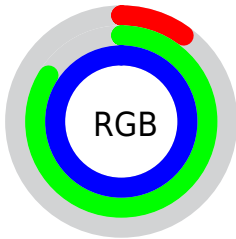
Format	Color
R _Y B	26, 129, 255
Decimal	1758719
CIE Lab	79.05, -28.08, -32.45
CIE LCh	79, 42.916, 229.128
Yxy	55.0152, 0.2110, 0.2747
Android (android.graphics.Color)	4279948799 (0xFF1AD5FF)
YUV	161.8750, 45.9106, -119.1624
Hunter-Lab	74.1722, -28.1055, -30.4137

Details

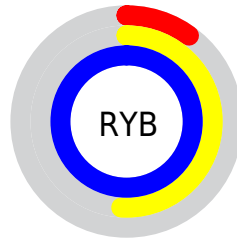
The Yxy color **55.0152, 0.2110, 0.2747** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **25.4340, 0.5998, 0.3509**, and the grayscale version is **35.8474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **28.5309, 0.2063, 0.2625** is the 20% darker color. If you saturate the color by 10%, you get **52.4858, 0.2078, 0.2681**, and if you desaturate by 10%, it is **57.8948, 0.2158, 0.2814**.

Distribution



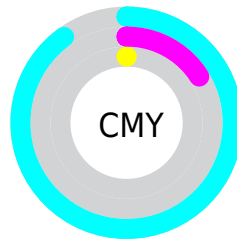
- Red (10%)
- Green (84%)
- Blue (100%)



- Red (10%)
- Yellow (51%)
- Blue (100%)



- Cyan (90%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.0152, 0.2110, 0.2747 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 55.0152, 0.2110, 0.2747 by changing the saturation by 10% instead.


 55.0152, 0.2110,
0.2747

 55.0152, 0.2110,
0.2747

405.9695, 0.2579,
0.3022


 39.4139, 0.2005,
0.2680


 97.5632, 0.2271,
0.2846

 27.0819, 0.1878,
0.2594


 125.2787, 0.2334,
0.2884


 17.6347, 0.1720,
0.2484


 157.8011, 0.2389,
0.2916

 10.6881, 0.1521,
0.2335

 195.5147, 0.2437,
0.2943

 5.8575, 0.1266,
0.2129

 238.8040, 0.2479,
0.2966

 2.7586, 0.0938,
0.1829

288.0533, 0.2516,

 1.0070, 0.0372,

0.2987

0.1406

343.6470, 0.2549,
0.3005

■ 0.0000, 0.0000,
0.0000

■ 55.0152, 0.2110,
0.2747

■ 55.0152, 0.2110,
0.2747

■ 52.4858, 0.2078,
0.2681

■ 57.8948, 0.2158,
0.2814

■ 52.4660, 0.2078,
0.2681

■ 61.2039, 0.2226,
0.2881

■ 64.9967, 0.2314,
0.2948

■ 69.3172, 0.2420,
0.3013

■ 74.2040, 0.2542,
0.3076

■ 79.6916, 0.2677,
0.3136

■ 85.8116, 0.2822,
0.3192

■ 92.5932, 0.2973,
0.3243

■ 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.



55.0152, 0.2251, 0.3237



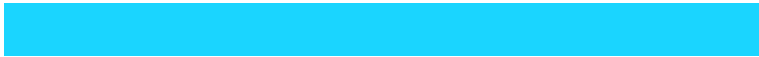
55.0152, 0.2110, 0.2747



55.0152, 0.2206, 0.2464

Triad

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



55.0152, 0.2110, 0.2747



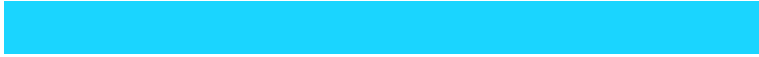
55.0152, 0.3609, 0.2830



55.0152, 0.3689, 0.4310

Complementary

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



55.0152, 0.2110, 0.2747



25.4340, 0.5998, 0.3509

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.



55.0152, 0.4107, 0.4075



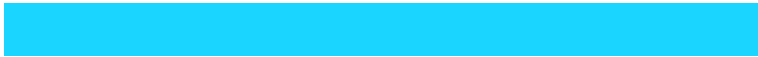
55.0152, 0.2110, 0.2747



55.0152, 0.4078, 0.3233

Square

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



55.0152, 0.2110, 0.2747



55.0152, 0.3029, 0.2535



55.0152, 0.4261, 0.3675



55.0152, 0.3142, 0.4235

Rectangle

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



55.0152, 0.2110, 0.2747



55.0152, 0.2395, 0.2399



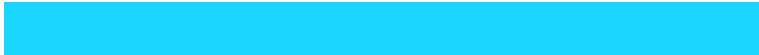
55.0152, 0.4261, 0.3675



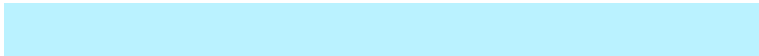
55.0152, 0.3850, 0.4260

Sweetspot

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



55.0170, 0.2110, 0.2747



81.4111, 0.2719, 0.3153



72.1051, 0.2944, 0.5722



16.9959, 0.2670, 0.3133



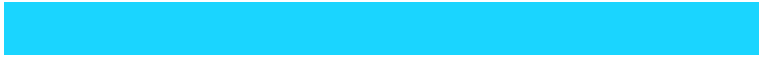
0.0000, 0.0000, 0.0000



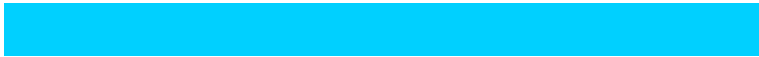
21.4041, 0.3127, 0.3290

Same Dimension

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



55.0170, 0.2110, 0.2747



52.4660, 0.2078, 0.2681



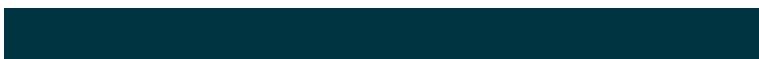
16.9657, 0.1698, 0.1240



19.8820, 0.2980, 0.3245



27.6188, 0.2081, 0.2692



2.8294, 0.2102, 0.2767

Inverse Universe

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



26.7892, 0.3680, 0.1839



25.8276, 0.3747, 0.1838



53.4010, 0.4824, 0.4484



18.2399, 0.3166, 0.3098



13.5161, 0.3736, 0.1832



1.3302, 0.3665, 0.1793

Previews

White Background



This preview shows how the Yxy color 55.0152, 0.2110, 0.2747 looks on a white background.

Color Contrast Check

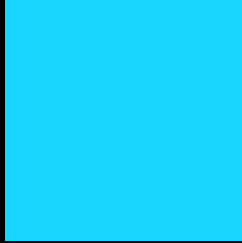
Large Text (above 18pt) WCAG AA × Fail

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 55.0152, 0.2110, 0.2747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

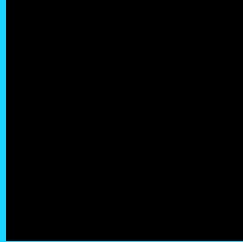
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.0152, 0.2110, 0.2747

Background



This preview shows how black text looks on a background with the Yxy color 55.0152, 0.2110, 0.2747.



This preview shows how white text looks on a background with the Yxy color 55.0152, 0.2110, 0.2747.

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

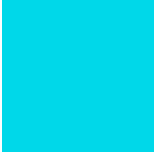
55.0281, 0.2110, 0.2747

Protanopia

54.0578, 0.2730, 0.2728

Deuteranopia

53.9466, 0.2607, 0.2555



Tritanopia

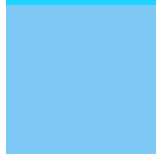
54.9949, 0.2183, 0.3057

Trichromacy



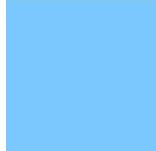
Original Color

55.0281, 0.2110, 0.2747



Protanomaly

52.3367, 0.2380, 0.2724



Deuteranomaly

52.2778, 0.2319, 0.2599



Tritanomaly

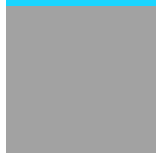
55.0098, 0.2154, 0.2941

Monochromacy



Original Color

55.0281, 0.2110, 0.2747



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

40.4780, 0.2514, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0152, 0.2110, 0.2747 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(26, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 213, 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(26, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 213, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.0152, 0.2110, 0.2747 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(26, 213, 255) }
```

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

```
.border{ border-color:rgb(26, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 213,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0152, 0.2110, 0.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 213, 255) }
```

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

```
.background{ background-color: rgb(26, 213,  
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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