

Converting Colors

$Y_{xy}(56.8240, 0.2139, 0.2790)$

Have a look what the booklet for
Yxy(56.8240, 0.2139, 0.2790)
contains.

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Color

Yxy(56.8240, 0.2139, 0.2790)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 2AD8FF |
| RGB | 42, 216, 255 |
| RGB Percent | 16%, 85%, 100% |
| CMY | 0.8347, 0.1530, 0.0000 |
| CMYK | 0.83, 0.15, 0.00, 0.00 |
| HSL | 191°, 100%, 58% |
| HSV | 191°, 83%, 100% |
| XYZ | 43.5651, 56.8240, 103.2812 |
| YIQ | 168.4200, -116.2230, -24.7590 |

Conversions

Conversions Part 2

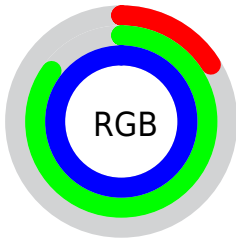
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 42, 138, 255 |
| Decimal | 2808063 |
| CIE Lab | 80.08, -28.63, -30.85 |
| CIE LCh | 80, 42.090, 227.142 |
| Yxy | 56.8240, 0.2139, 0.2790 |
| Android (android.graphics.Color) | 4280998143 (0xFF2AD8FF) |
| YUV | 168.4200, 42.6839, -110.8703 |
| Hunter-Lab | 75.3817, -28.7581, -28.4666 |

Details

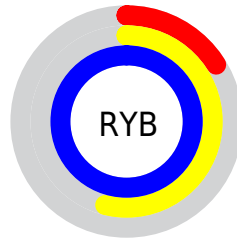
The Yxy color **56.8240, 0.2139, 0.2790** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.3372, 0.5788, 0.3546**, and the grayscale version is **39.2274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **29.5670, 0.2077, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **54.0858, 0.2097, 0.2724**, and if you desaturate by 10%, it is **59.9755, 0.2200, 0.2857**.

Distribution



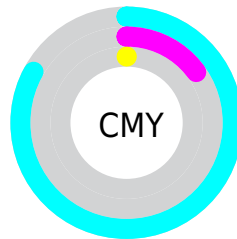
- Red (16%)
- Green (85%)
- Blue (100%)



- Red (16%)
- Yellow (54%)
- Blue (100%)



- Cyan (83%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (83%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8240, 0.2139, 0.2790 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 56.8240, 0.2139, 0.2790 by changing the saturation by 10% instead.


 56.8240, 0.2139,
0.2790


 56.8240, 0.2139,
0.2790

412.7895, 0.2593,
0.3043


 40.8640, 0.2038,
0.2728


 100.2083, 0.2295,
0.2881


 28.2128, 0.1914,
0.2649


 128.4014, 0.2356,
0.2916

 18.4861, 0.1762,
0.2547


 161.4410, 0.2409,
0.2945

 11.2996, 0.1569,
0.2409

 199.7114, 0.2455,
0.2970

 6.2687, 0.1321,
0.2217

243.5970, 0.2496,
0.2992

 3.0091, 0.1000,
0.1937

293.4823, 0.2532,

 1.1365, 0.0487,

0.3011

0.1530

349.7517, 0.2564,
0.3028

0.0089, 0.0000,
0.0032

0.0000, 0.0000,
0.0000

56.8240, 0.2139,
0.2790

56.8240, 0.2139,
0.2790

54.0858, 0.2097,
0.2724

59.9755, 0.2200,
0.2857

52.4643, 0.2078,
0.2680

63.5914, 0.2281,
0.2924

67.7201, 0.2381,
0.2990

72.4020, 0.2497,
0.3054

■ 77.6728, 0.2628,
0.3115

■ 83.5652, 0.2770,
0.3172

■ 90.1090, 0.2919,
0.3226

■ 97.3322, 0.3073,
0.3274

■ 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.



56.8240, 0.2292, 0.3277



56.8240, 0.2139, 0.2790



56.8240, 0.2217, 0.2499

Triad

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



56.8240, 0.2139, 0.2790



56.8240, 0.3559, 0.2820



56.8240, 0.3707, 0.4273

Complementary

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



56.8240, 0.2139, 0.2790



27.3372, 0.5788, 0.3546

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.



56.8240, 0.4099, 0.4032



56.8240, 0.2139, 0.2790



56.8240, 0.4027, 0.3208

Square

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



56.8240, 0.2139, 0.2790



56.8240, 0.2996, 0.2541



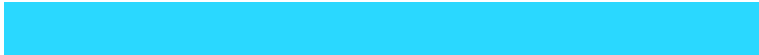
56.8240, 0.4226, 0.3639



56.8240, 0.3180, 0.4220

Rectangle

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



56.8240, 0.2139, 0.2790



56.8240, 0.2393, 0.2425



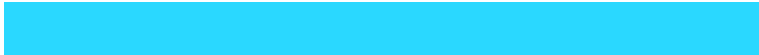
56.8240, 0.4226, 0.3639



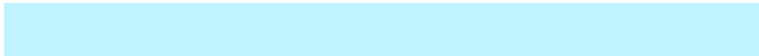
56.8240, 0.3860, 0.4219

Sweetspot

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



56.8258, 0.2139, 0.2790



82.6204, 0.2747, 0.3164



72.5604, 0.2934, 0.5591



17.2329, 0.2697, 0.3144



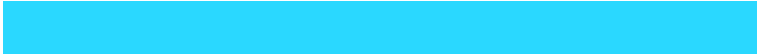
0.0000, 0.0000, 0.0000



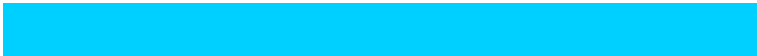
21.4041, 0.3127, 0.3290

Same Dimension

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



56.8258, 0.2139, 0.2790



52.4643, 0.2078, 0.2680



19.5495, 0.1761, 0.1381



19.8820, 0.2980, 0.3245



27.6180, 0.2081, 0.2691



2.8294, 0.2102, 0.2767

Inverse Universe

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



27.8849, 0.3635, 0.1861



25.8274, 0.3747, 0.1838



55.7313, 0.4727, 0.4480



18.2399, 0.3166, 0.3098



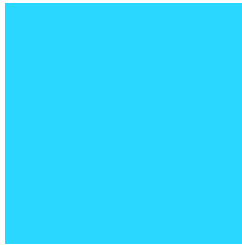
13.5160, 0.3736, 0.1832



1.3302, 0.3665, 0.1793

Previews

White Background



This preview shows how the Yxy color 56.8240, 0.2139, 0.2790 looks on a white background.

Color Contrast Check

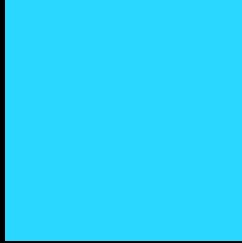
Large Text (above 18pt) WCAG AA × Fail

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 56.8240, 0.2139, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

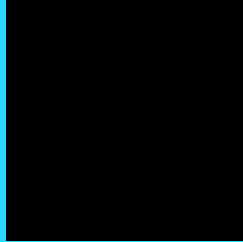
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8240, 0.2139, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 56.8240, 0.2139, 0.2790.

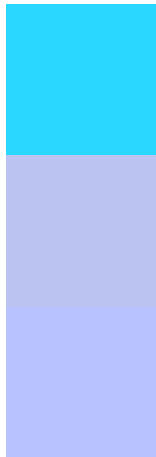


This preview shows how white text looks on a background with the Yxy color 56.8240, 0.2139, 0.2790.

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

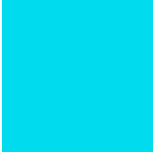
56.8240, 0.2139, 0.2790

Protanopia

55.8863, 0.2760, 0.2768

Deuteranopia

55.8709, 0.2643, 0.2597



Tritanopia

56.7775, 0.2180, 0.3047

Trichromacy



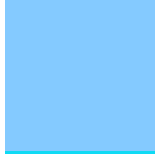
Original Color

56.8240, 0.2139, 0.2790



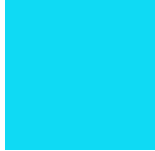
Protanomaly

54.3728, 0.2427, 0.2768



Deuteranomaly

54.3666, 0.2368, 0.2644



Tritanomaly

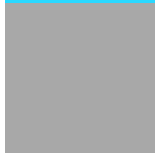
56.7760, 0.2158, 0.2946

Monochromacy



Original Color

56.8240, 0.2139, 0.2790



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

43.0056, 0.2560, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8240, 0.2139, 0.2790 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(42, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 216, 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(42, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.8240, 0.2139, 0.2790 is called "border". The border property can be set on classes, ids or directly on the HTML element.

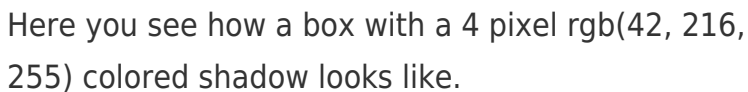
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(42, 216, 255) }
```

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

```
.border{ border-color:rgb(42, 216, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(42, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(42, 216, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(42, 216, 255); box-shadow:4px 4px 4px 4px rgb(42, 216, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8240, 0.2139, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 216, 255) }
```

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

```
.background{ background-color: rgb(42, 216,  
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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