

Converting Colors

$Y_{xy}(55.8820, 0.2188, 0.2790)$

Have a look what the booklet for
Yxy(55.8820, 0.2188, 0.2790)
contains.

| | |
|--|----|
| Yxy(55.8820, 0.2188, 0.2790) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(55.8820, 0.2188, 0.2790)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 45D5FC |
| RGB | 69, 213, 252 |
| RGB Percent | 27%, 84%, 99% |
| CMY | 0.7292, 0.1647, 0.0117 |
| CMYK | 0.73, 0.15, 0.00, 0.01 |
| HSL | 193°, 97%, 63% |
| HSV | 193°, 73%, 99% |
| XYZ | 43.8243, 55.8820, 100.5876 |
| YIQ | 174.3900, -98.3430, -18.3990 |

Conversions

Conversions Part 2

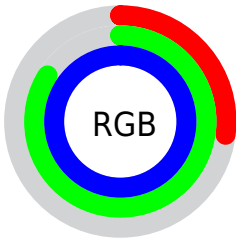
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 69, 150, 252 |
| Decimal | 4576764 |
| CIELab | 79.55, -25.56, -30.05 |
| CIElCh | 80, 39.454, 229.611 |
| Yxy | 55.8820, 0.2188, 0.2790 |
| Android (android.graphics.Color) | 4282766844 (0xFF45D5FC) |
| YUV | 174.3900, 38.2617, -92.4270 |
| Hunter-Lab | 74.7543, -26.1752, -27.4513 |

Details

The Yxy color **55.8820, 0.2188, 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 **31.8734, 0.5307, 0.3630**, and the grayscale version is **42.3861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **28.3939, 0.2075, 0.2668** is the 20% darker color. If you saturate the color by 10%, you get **52.4893, 0.2121, 0.2711**, and if you desaturate by 10%, it is **59.7594, 0.2275, 0.2869**.

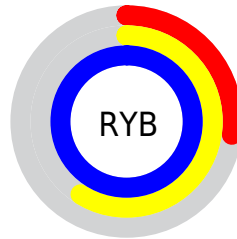
Distribution



Red (27%)

Green (84%)

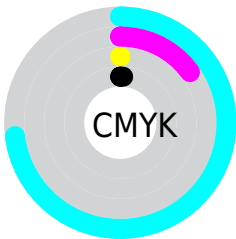
Blue (99%)



Red (27%)

Yellow (59%)

Blue (99%)

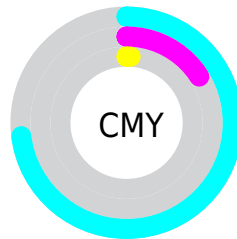


Cyan (73%)

Magenta (15%)

Yellow (0%)

Black (1%)



Cyan (73%)

Magenta (16%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8820, 0.2188, 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 55.8820, 0.2188, 0.2790 by changing the saturation by 10% instead.


 55.8820, 0.2188,
0.2790

 55.8820, 0.2188,
0.2790

409.2467, 0.2623,
0.3042


 40.1083, 0.2090,
0.2728


 98.8320, 0.2338,
0.2881

 27.6230, 0.1971,
0.2650


 126.7772, 0.2396,
0.2915

 18.0417, 0.1822,
0.2548


 159.5483, 0.2447,
0.2944

 10.9799, 0.1634,
0.2412

 197.5297, 0.2491,
0.2969

 6.0533, 0.1389,
0.2220

241.1058, 0.2530,
0.2991

 2.8775, 0.1067,
0.1940

290.6611, 0.2564,

 1.0681, 0.0545,

0.3010

0.1529

346.5799, 0.2595,
0.3027

0.0000, 0.0000,
0.0000

55.8820, 0.2188,
0.2790

55.8820, 0.2188,
0.2790

52.4893, 0.2121,
0.2711

59.7594, 0.2275,
0.2869

49.5212, 0.2074,
0.2632

64.1605, 0.2380,
0.2946

47.5393, 0.2049,
0.2574

69.1262, 0.2502,
0.3021

74.6913, 0.2637,
0.3092

80.8876, 0.2781,
0.3159

87.7443, 0.2932,
0.3220

95.2885, 0.3087,
0.3276

99.8095, 0.3144,
0.3318

Harmonies

Analogous

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



55.8820, 0.2317, 0.3238



55.8820, 0.2188, 0.2790



55.8820, 0.2280, 0.2528

Triad

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



55.8820, 0.2188, 0.2790



55.8820, 0.3577, 0.2872



55.8820, 0.3640, 0.4224

Complementary

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



55.8820, 0.2188, 0.2790



31.8734, 0.5307, 0.3630

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.



55.8820, 0.4023, 0.4021



55.8820, 0.2188, 0.2790



55.8820, 0.4001, 0.3248

Square

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



55.8820, 0.2188, 0.2790



55.8820, 0.3048, 0.2596



55.8820, 0.4165, 0.3658



55.8820, 0.3137, 0.4143

Rectangle

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



55.8820, 0.2188, 0.2790



55.8820, 0.2459, 0.2467



55.8820, 0.4165, 0.3658



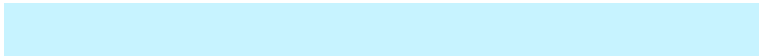
55.8820, 0.3788, 0.4183

Sweetspot

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



55.8840, 0.2188, 0.2790



83.4701, 0.2790, 0.3162



71.9345, 0.2907, 0.5246



17.4800, 0.2750, 0.3145



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.



55.8840, 0.2188, 0.2790



52.5020, 0.2097, 0.2675



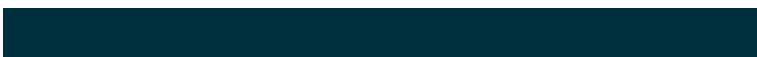
22.7002, 0.1878, 0.1566



18.9432, 0.2980, 0.3238



24.9828, 0.2052, 0.2588



2.4650, 0.2078, 0.2681

Inverse Universe

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



29.7673, 0.3622, 0.1986



26.8944, 0.3745, 0.1895



61.1228, 0.4483, 0.4476



17.4574, 0.3171, 0.3105



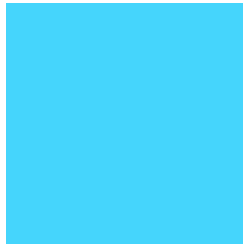
12.9329, 0.3836, 0.1887



1.2131, 0.3746, 0.1837

Previews

White Background



This preview shows how the Yxy color 55.8820, 0.2188, 0.2790 looks on a white background.

Color Contrast Check

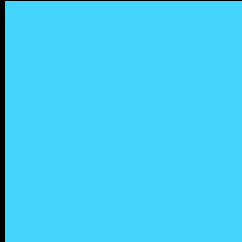
Large Text (above 18pt) WCAG AA × Fail

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 55.8820, 0.2188, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

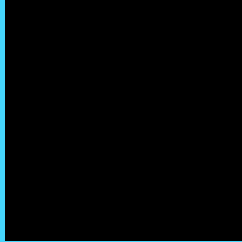
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8820, 0.2188, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 55.8820, 0.2188, 0.2790.



This preview shows how white text looks on a background with the Yxy color 55.8820, 0.2188, 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

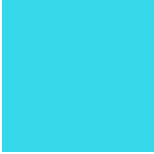
55.8820, 0.2188, 0.2790

Protanopia

55.1957, 0.2765, 0.2776

Deuteranopia

54.8644, 0.2634, 0.2572



Tritanopia

55.8645, 0.2236, 0.3048

Trichromacy



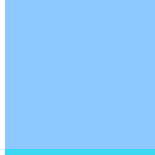
Original Color

55.8820, 0.2188, 0.2790



Protanomaly

54.0840, 0.2480, 0.2771



Deuteranomaly

54.1270, 0.2413, 0.2637



Tritanomaly

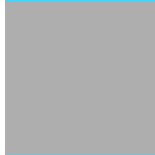
55.9124, 0.2216, 0.2947

Monochromacy



Original Color

55.8820, 0.2188, 0.2790



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.4649, 0.2642, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8820, 0.2188, 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(69, 213, 252)` looks like.

```
.text, #text, p{  
    color:rgb(69, 213, 252)  
}
```

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(69, 213, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 213, 252) }
```

Border

The CSS property to change the border of an element to Yxy 55.8820, 0.2188, 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(69, 213, 252) }
```

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

```
.border{ border-color:rgb(69, 213, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 213, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(69, 213, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(69, 213, 252); box-shadow:4px 4px 4px 4px rgb(69, 213, 252) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8820, 0.2188, 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(69, 213, 252) }
```

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

```
.background{ background-color: rgb(69, 213,  
252) }
```

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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