

Converting Colors

$Y_{xy}(55.3754, 0.2212, 0.2733)$

Have a look what the booklet for
Yxy(55.3754, 0.2212, 0.2733)
contains.

Yxy(55.1802, 0.2213, 0.2733)	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(55.1802, 0.2213, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	55D2FE
RGB	85, 210, 254
RGB Percent	33%, 82%, 100%
CMY	0.6665, 0.1765, 0.0040
CMYK	0.67, 0.17, 0.00, 0.00
HSL	196°, 99%, 66%
HSV	196°, 67%, 100%
XYZ	44.6812, 55.1802, 102.0420
YIQ	177.6410, -88.6240, -12.8160

Conversions

Conversions Part 2

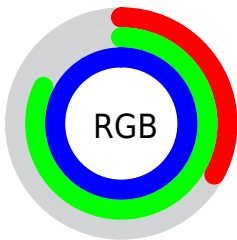
Format	Color
R _Y B	85, 157, 254
Decimal	5624574
CIE Lab	79.14, -21.33, -31.68
CIE LCh	79, 38.191, 236.043
Yxy	55.1802, 0.2213, 0.2733
Android (android.graphics.Color)	4283814654 (0xFF55D2FE)
YUV	177.6410, 37.6450, -81.2462
Hunter-Lab	74.2834, -22.6287, -29.4474

Details

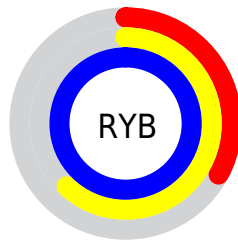
The Yxy color **55.1802, 0.2213, 0.2733** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **37.4273, 0.4988, 0.3707**, and the grayscale version is **44.1600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **27.4739, 0.2052, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **51.0012, 0.2127, 0.2634**, and if you desaturate by 10%, it is **59.9244, 0.2318, 0.2830**.

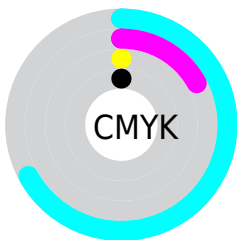
Distribution



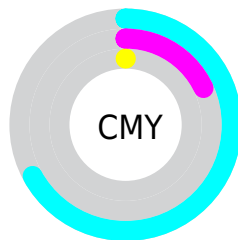
- Red (33%)
- Green (82%)
- Blue (100%)



- Red (33%)
- Yellow (62%)
- Blue (100%)



- Cyan (67%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1802, 0.2213, 0.2733 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 55.1802, 0.2213, 0.2733 by changing the saturation by 10% instead.


 55.1802, 0.2213,
0.2733

 55.1802, 0.2213,
0.2733


406.5946, 0.2637,
0.3010


 39.5460, 0.2117,
0.2666


 97.8049, 0.2360,
0.2832


 27.1848, 0.2000,
0.2582


 125.5643, 0.2417,
0.2870

 17.7120, 0.1854,
0.2473


 158.1341, 0.2466,
0.2902

 10.7434, 0.1668,
0.2327

 195.8988, 0.2509,
0.2930

 5.8946, 0.1426,
0.2126

239.2429, 0.2547,
0.2954

 2.7811, 0.1107,
0.1836

288.5506, 0.2581,

 1.0185, 0.0612,

0.2975

0.1413

344.2064, 0.2611,
0.2993

0.0000, 0.0000,
0.0000

55.1802, 0.2213,
0.2733

55.1802, 0.2213,
0.2733

51.0012, 0.2127,
0.2634

59.9244, 0.2318,
0.2830

47.3317, 0.2061,
0.2536

65.2705, 0.2440,
0.2924

44.1120, 0.2015,
0.2438

71.2581, 0.2575,
0.3014

43.0642, 0.2001,
0.2405

77.9213, 0.2720,
0.3098

85.2916, 0.2871,
0.3176

■ 93.3981, 0.3026,
0.3247

99.9343, 0.3133,
0.3300

Harmonies

Analogous

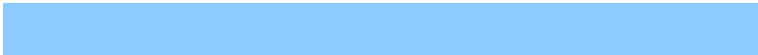
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.1802, 0.2293, 0.3135



55.1802, 0.2213, 0.2733



55.1802, 0.2349, 0.2519

Triad

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



55.1802, 0.2213, 0.2733



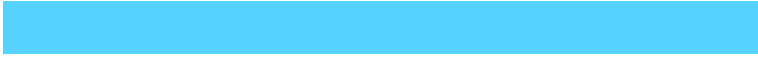
55.1802, 0.3668, 0.2956



55.1802, 0.3528, 0.4207

Complementary

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



55.1802, 0.2213, 0.2733



37.4273, 0.4988, 0.3707

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.



55.1802, 0.3936, 0.4062



55.1802, 0.2213, 0.2733



55.1802, 0.4035, 0.3336

Square

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



55.1802, 0.2213, 0.2733



55.1802, 0.3161, 0.2660



55.1802, 0.4131, 0.3733



55.1802, 0.3031, 0.4059

Rectangle

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



55.1802, 0.2213, 0.2733



55.1802, 0.2551, 0.2487



55.1802, 0.4131, 0.3733



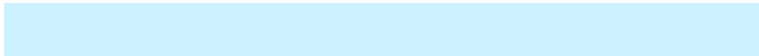
55.1802, 0.3680, 0.4187

Sweetspot

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



55.1822, 0.2213, 0.2733



83.3979, 0.2818, 0.3150



74.3420, 0.2876, 0.4968



17.4026, 0.2776, 0.3128



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.



55.1822, 0.2213, 0.2733



50.1175, 0.2102, 0.2600



24.3371, 0.1944, 0.1617



19.6340, 0.2980, 0.3227



22.9606, 0.2006, 0.2421



2.4128, 0.2037, 0.2532

Inverse Universe

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



32.2231, 0.3662, 0.2117



27.8871, 0.3808, 0.2001



68.6817, 0.4311, 0.4488



18.2149, 0.3178, 0.3116



13.0459, 0.4002, 0.1978



1.2881, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 55.1802, 0.2213, 0.2733 looks on a white background.

Color Contrast Check

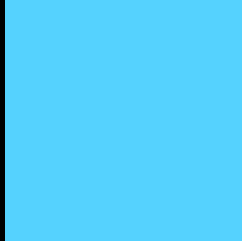
Large Text (above 18pt) WCAG AA × Fail

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 55.1802, 0.2213, 0.2733 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

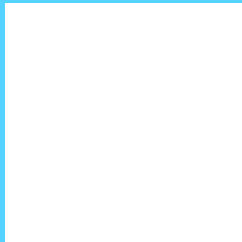
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.1802, 0.2213, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 55.1802, 0.2213, 0.2733.



This preview shows how white text looks on a background with the Yxy color 55.1802, 0.2213, 0.2733.

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

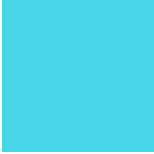
55.1802, 0.2213, 0.2733

Protanopia

54.6180, 0.2719, 0.2719

Deuteranopia

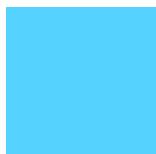
54.6226, 0.2621, 0.2570



Tritanopia

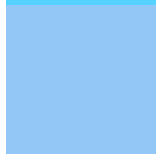
55.2404, 0.2280, 0.3061

Trichromacy



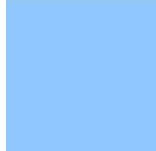
Original Color

55.1802, 0.2213, 0.2733



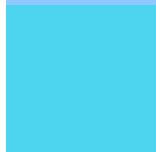
Protanomaly

53.7037, 0.2482, 0.2716



Deuteranomaly

54.0866, 0.2427, 0.2617



Tritanomaly

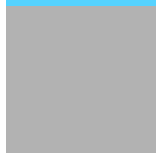
55.3983, 0.2258, 0.2947

Monochromacy



Original Color

55.1802, 0.2213, 0.2733



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.2124, 0.2673, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1802, 0.2213, 0.2733 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(85, 210, 254)` looks like.

```
.text, #text, p{  
    color:rgb(85, 210, 254)  
}
```

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(85, 210, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 210, 254) }
```

Border

The CSS property to change the border of an element to Yxy 55.1802, 0.2213, 0.2733 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(85, 210, 254) }
```

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

```
.border{ border-color:rgb(85, 210, 254) }
```

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

Here you see how a box with a 4 pixel rgb(85, 210, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 210, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 210, 254);  
box-shadow:4px 4px 4px 4px rgb(85, 210,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1802, 0.2213, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 210, 254) }
```

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

```
.background{ background-color: rgb(85, 210,  
254) }
```

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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