

Converting Colors

$Y_{xy}(55.1202, 0.2232, 0.2710)$

Have a look what the booklet for
Yxy(55.1202, 0.2232, 0.2710)
contains.

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Color

Yxy(55.2006, 0.2234, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	5ED1FF
RGB	94, 209, 255
RGB Percent	37%, 82%, 100%
CMY	0.6311, 0.1804, 0.0000
CMYK	0.63, 0.18, 0.00, 0.00
HSL	197°, 100%, 68%
HSV	197°, 63%, 100%
XYZ	45.4713, 55.2006, 102.8701
YIQ	179.8590, -83.3060, -10.0740

Conversions

Conversions Part 2

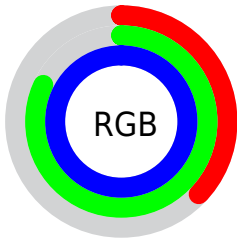
Format	Color
R _Y B	94, 161, 255
Decimal	6214143
CIE Lab	79.16, -19.10, -32.19
CIE LCh	79, 37.428, 239.308
Yxy	55.2006, 0.2234, 0.2712
Android (android.graphics.Color)	4284404223 (0xFF5ED1FF)
YUV	179.8590, 37.0445, -75.2983
Hunter-Lab	74.2971, -20.7744, -30.0837

Details

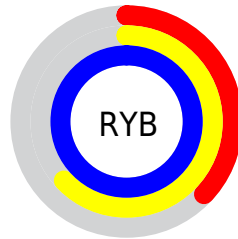
The Yxy color **55.2006, 0.2234, 0.2712** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **40.8448, 0.4821, 0.3740**, and the grayscale version is **45.4025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **27.1884, 0.2043, 0.2554** is the 20% darker color. If you saturate the color by 10%, you get **50.5731, 0.2137, 0.2603**, and if you desaturate by 10%, it is **60.4401, 0.2349, 0.2819**.

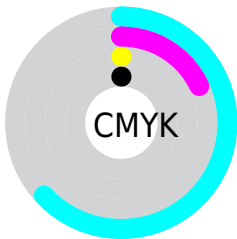
Distribution



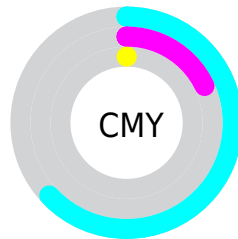
- Red (37%)
- Green (82%)
- Blue (100%)



- Red (37%)
- Yellow (63%)
- Blue (100%)



- Cyan (63%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2006, 0.2234, 0.2712 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 55.2006, 0.2234, 0.2712 by changing the saturation by 10% instead.

■ 55.2006, 0.2234,
0.2712

■ 55.2006, 0.2234,
0.2712

■ 406.6719, 0.2649,
0.2997

■ 39.5624, 0.2140,
0.2643

■ 97.8348, 0.2377,
0.2814

■ 27.1975, 0.2025,
0.2557

■ 125.5995, 0.2434,
0.2853

■ 17.7216, 0.1882,
0.2446

■ 158.1752, 0.2482,
0.2886

■ 10.7503, 0.1699,
0.2299

■ 195.9463, 0.2524,
0.2914

■ 5.8992, 0.1461,
0.2096

■ 239.2971, 0.2561,
0.2939

■ 2.7839, 0.1145,
0.1805

■ 288.6120, 0.2594,

■ 1.0200, 0.0673,

0.2961

0.1381

344.2755, 0.2623,
0.2980

■ 0.0000, 0.0000,
0.0000

■ 55.2006, 0.2234,
0.2712

■ 55.2006, 0.2234,
0.2712

■ 50.5731, 0.2137,
0.2603

■ 60.4401, 0.2349,
0.2819

■ 46.5050, 0.2061,
0.2494

■ 66.3284, 0.2479,
0.2921

■ 42.9399, 0.2005,
0.2385

■ 72.9045, 0.2620,
0.3018

■ 40.7205, 0.1976,
0.2312

■ 80.2023, 0.2770,
0.3109

■ 88.2532, 0.2924,
0.3192

97.0865, 0.3079,
0.3268

100.0000, 0.3127,
0.3290

Harmonies

Analogous

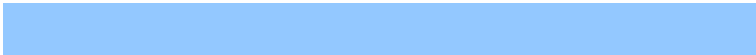
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.2006, 0.2290, 0.3089



55.2006, 0.2234, 0.2712



55.2006, 0.2390, 0.2523

Triad

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



55.2006, 0.2234, 0.2712



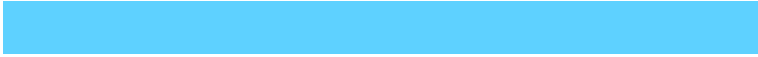
55.2006, 0.3706, 0.3000



55.2006, 0.3470, 0.4187

Complementary

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



55.2006, 0.2234, 0.2712



40.8448, 0.4821, 0.3740

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.



55.2006, 0.3885, 0.4074



55.2006, 0.2234, 0.2712



55.2006, 0.4041, 0.3379

Square

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



55.2006, 0.2234, 0.2712



55.2006, 0.3216, 0.2697



55.2006, 0.4104, 0.3766



55.2006, 0.2981, 0.4008

Rectangle

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



55.2006, 0.2234, 0.2712



55.2006, 0.2602, 0.2504



55.2006, 0.4104, 0.3766



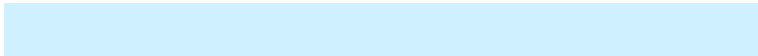
55.2006, 0.3623, 0.4179

Sweetspot

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



55.2022, 0.2234, 0.2712



83.4205, 0.2833, 0.3144



75.7865, 0.2857, 0.4802



17.3734, 0.2789, 0.3120



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.



55.2022, 0.2234, 0.2712



49.3432, 0.2113, 0.2571



25.2857, 0.1986, 0.1645



19.5524, 0.2980, 0.3220



21.5452, 0.1981, 0.2329



2.2846, 0.2015, 0.2452

Inverse Universe

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



33.8798, 0.3673, 0.2193



28.7705, 0.3829, 0.2067



73.3241, 0.4218, 0.4489



18.2066, 0.3182, 0.3122



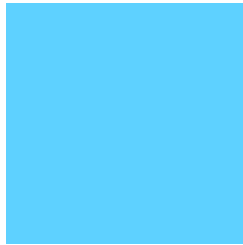
12.9030, 0.4096, 0.2030



1.2752, 0.3970, 0.1961

Previews

White Background



This preview shows how the Yxy color 55.2006, 0.2234, 0.2712 looks on a white background.

Color Contrast Check

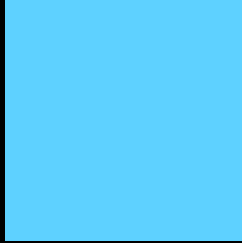
Large Text (above 18pt) WCAG AA × Fail

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 55.2006, 0.2234, 0.2712 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

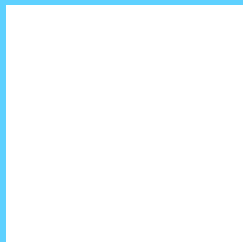
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.2006, 0.2234, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 55.2006, 0.2234, 0.2712.

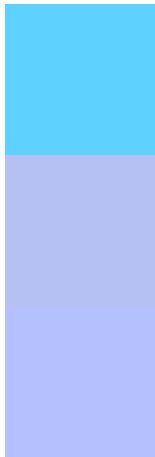


This preview shows how white text looks on a background with the Yxy color 55.2006, 0.2234, 0.2712.

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

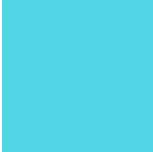
55.2006, 0.2234, 0.2712

Protanopia

54.5561, 0.2706, 0.2707

Deuteranopia

54.6226, 0.2621, 0.2570



Tritanopia

55.1519, 0.2305, 0.3049

Trichromacy



Original Color

55.2006, 0.2234, 0.2712

Protanomaly

54.0463, 0.2494, 0.2707

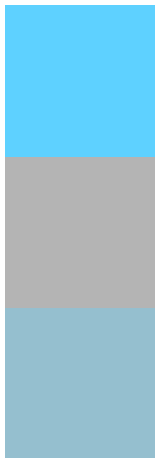
Deuteranomaly

53.9977, 0.2446, 0.2609

Tritanomaly

55.3567, 0.2277, 0.2924

Monochromacy



Original Color

55.2006, 0.2234, 0.2712

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

48.1562, 0.2701, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2006, 0.2234, 0.2712 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(94, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 209, 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(94, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 209, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.2006, 0.2234, 0.2712 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(94, 209, 255) }
```

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

```
.border{ border-color:rgb(94, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 209,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2006, 0.2234, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 209, 255) }
```

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

```
.background{ background-color: rgb(94, 209,  
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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