

Converting Colors

$Yxy(55.8086, 0.2356, 0.2689)$

Have a look what the booklet for
Yxy(55.8086, 0.2356, 0.2689)
contains.

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Color

Yxy(55.8746, 0.2355, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	7FCEFF
RGB	127, 206, 255
RGB Percent	50%, 81%, 100%
CMY	0.5016, 0.1922, 0.0001
CMYK	0.50, 0.19, 0.00, 0.00
HSL	203°, 100%, 75%
HSV	203°, 50%, 100%
XYZ	48.8799, 55.8746, 102.8035
YIQ	187.9650, -62.8130, -1.5090

Conversions

Conversions Part 2

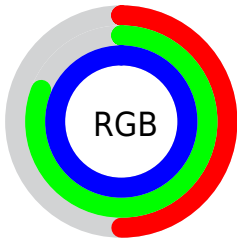
Format	Color
R _Y B	127, 176, 255
Decimal	8376063
CIE Lab	79.54, -11.23, -31.48
CIE LCh	80, 33.421, 250.365
Yxy	55.8746, 0.2355, 0.2692
Android (android.graphics.Color)	4286566143 (0xFF7FCEFF)
YUV	187.9650, 33.0483, -53.4663
Hunter-Lab	74.7493, -14.0870, -29.2176

Details

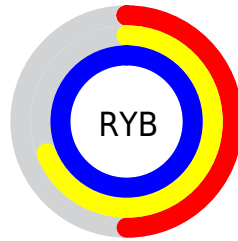
The Yxy color **55.8746, 0.2355, 0.2692** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.8708, 0.4275, 0.3799**, and the grayscale version is **50.1147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **27.6919, 0.2174, 0.2543** is the 20% darker color. If you saturate the color by 10%, you get **49.6016, 0.2222, 0.2547**, and if you desaturate by 10%, it is **62.9394, 0.2501, 0.2831**.

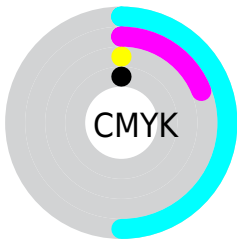
Distribution



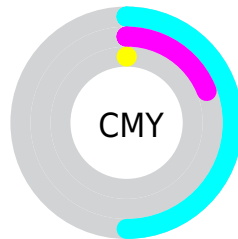
- Red (50%)
- Green (81%)
- Blue (100%)



- Red (50%)
- Yellow (69%)
- Blue (100%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8746, 0.2355, 0.2692 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 55.8746, 0.2355, 0.2692 by changing the saturation by 10% instead.

■ 55.8746, 0.2355,
0.2692

■ 55.8746, 0.2355,
0.2692

409.2187, 0.2716,
0.2982

■ 40.1024, 0.2273,
0.2624

■ 98.8212, 0.2480,
0.2795

■ 27.6184, 0.2171,
0.2538

■ 126.7644, 0.2529,
0.2834

■ 18.0382, 0.2044,
0.2429

■ 159.5334, 0.2571,
0.2867

■ 10.9774, 0.1880,
0.2285

197.5125, 0.2608,
0.2896

■ 6.0516, 0.1663,
0.2088

241.0862, 0.2640,
0.2922

■ 2.8765, 0.1367,
0.1807

290.6389, 0.2668,

■ 1.0676, 0.0953,

0.2944

0.1394

346.5549, 0.2694,
0.2964

0.0000, 0.0000,
0.0000

55.8746, 0.2355,
0.2692

55.8746, 0.2355,
0.2692

49.6016, 0.2222,
0.2547

62.9394, 0.2501,
0.2831

44.0708, 0.2105,
0.2397

70.8291, 0.2654,
0.2961

39.2352, 0.2008,
0.2247

79.5817, 0.2811,
0.3081

35.0371, 0.1932,
0.2099

89.2310, 0.2969,
0.3190

31.4405, 0.1877,
0.1957

99.8083, 0.3125,
0.3289

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



55.8746, 0.2335, 0.2975



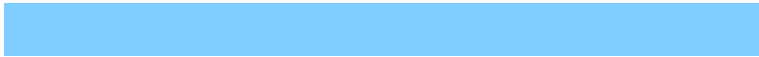
55.8746, 0.2355, 0.2692



55.8746, 0.2564, 0.2582

Triad

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



55.8746, 0.2355, 0.2692



55.8746, 0.3774, 0.3154



55.8746, 0.3278, 0.4055

Complementary

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



55.8746, 0.2355, 0.2692



53.8708, 0.4275, 0.3799

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.



55.8746, 0.3685, 0.4052



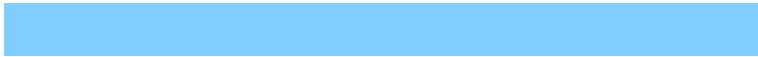
55.8746, 0.2355, 0.2692



55.8746, 0.3991, 0.3507

Square

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



55.8746, 0.2355, 0.2692



55.8746, 0.3375, 0.2847



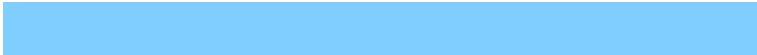
55.8746, 0.3953, 0.3836



55.8746, 0.2847, 0.3803

Rectangle

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



55.8746, 0.2355, 0.2692



55.8746, 0.2793, 0.2605



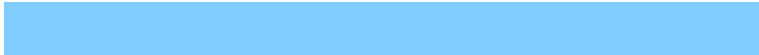
55.8746, 0.3953, 0.3836



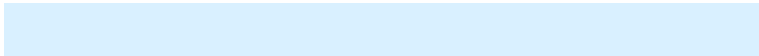
55.8746, 0.3422, 0.4082

Sweetspot

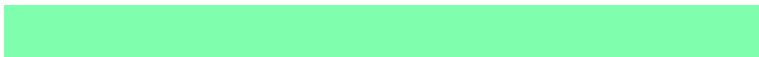
The Sweet Spot groups the original color and five complimentary colors.



55.8767, 0.2355, 0.2692



84.4592, 0.2893, 0.3138



79.0843, 0.2838, 0.4303



17.6460, 0.2860, 0.3115



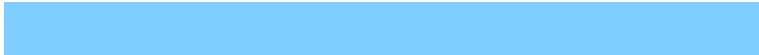
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



55.8767, 0.2355, 0.2692



49.7033, 0.2224, 0.2549



31.7244, 0.2200, 0.1896



19.2442, 0.2979, 0.3197



16.7282, 0.1884, 0.1981



1.8402, 0.1929, 0.2146

Inverse Universe

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



40.9126, 0.3657, 0.2495



34.7663, 0.3810, 0.2365



83.9011, 0.3942, 0.4373



18.1755, 0.3197, 0.3144



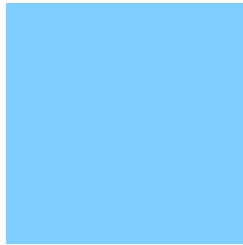
12.4167, 0.4475, 0.2239



1.2303, 0.4291, 0.2138

Previews

White Background



This preview shows how the Yxy color 55.8746, 0.2355, 0.2692 looks on a white background.

Color Contrast Check

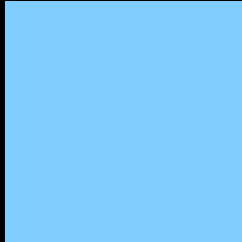
Large Text (above 18pt) WCAG AA × Fail

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 55.8746, 0.2355, 0.2692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

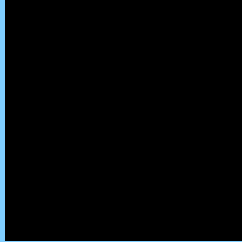
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

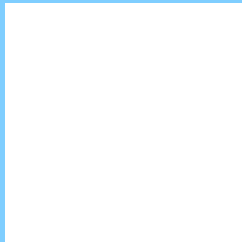
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8746, 0.2355, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 55.8746, 0.2355, 0.2692.



This preview shows how white text looks on a background with the Yxy color 55.8746, 0.2355, 0.2692.

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

55.8746, 0.2355, 0.2692

Protanopia

55.3047, 0.2696, 0.2689

Deuteranopia

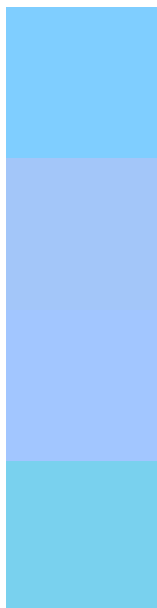
55.3050, 0.2636, 0.2584



Tritanopia

56.0415, 0.2451, 0.3068

Trichromacy



Original Color

55.8746, 0.2355, 0.2692

Protanomaly

55.0143, 0.2557, 0.2685

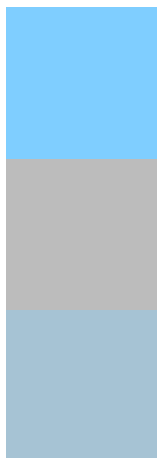
Deuteranomaly

55.2895, 0.2520, 0.2621

Tritanomaly

55.8389, 0.2412, 0.2921

Monochromacy



Original Color

55.8746, 0.2355, 0.2692

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.8907, 0.2791, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8746, 0.2355, 0.2692 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(127, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 206, 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(127, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.8746, 0.2355, 0.2692 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(127, 206, 255) }
```

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

```
.border{ border-color:rgb(127, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8746, 0.2355, 0.2692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 206, 255) }
```

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

```
.background{ background-color: rgb(127,  
206, 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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