

Converting Colors

$Y_{xy}(55.5871, 0.2354, 0.2816)$

Have a look what the booklet for
Yxy(55.5871, 0.2354, 0.2816)
contains.

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Color

Yxy(55.4786, 0.2351, 0.2812)

Conversions

Conversions Part 1

Format	Color
Hex	74D0F6
RGB	116, 208, 246
RGB Percent	45%, 82%, 96%
CMY	0.5453, 0.1843, 0.0354
CMYK	0.53, 0.15, 0.00, 0.04
HSL	198°, 88%, 71%
HSV	198°, 53%, 96%
XYZ	46.3834, 55.4786, 95.4303
YIQ	184.8240, -67.0300, -7.6860

Conversions

Conversions Part 2

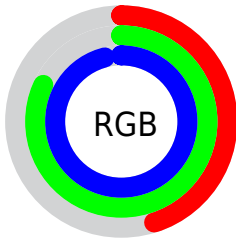
Format	Color
R _Y B	116, 170, 246
Decimal	7655670
CIE Lab	79.32, -17.19, -27.06
CIE LCh	79, 32.061, 237.568
Yxy	55.4786, 0.2351, 0.2812
Android (android.graphics.Color)	4285845750 (0xFF74D0F6)
YUV	184.8240, 30.1598, -60.3586
Hunter-Lab	74.4840, -19.1896, -23.8247

Details

The Yxy color **55.4786, 0.2351, 0.2812** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.9268, 0.4434, 0.3697**, and the grayscale version is **48.2636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **27.5327, 0.2165, 0.2683** is the 20% darker color. If you saturate the color by 10%, you get **50.5904, 0.2235, 0.2703**, and if you desaturate by 10%, it is **60.9755, 0.2482, 0.2917**.

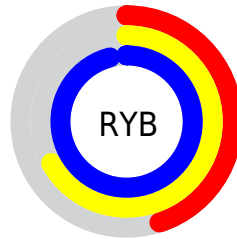
Distribution



Red (45%)

Green (82%)

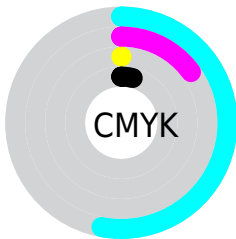
Blue (96%)



Red (45%)

Yellow (67%)

Blue (96%)

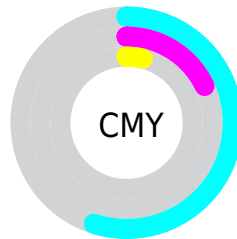


Cyan (53%)

Magenta (15%)

Yellow (0%)

Black (4%)



Cyan (55%)


Magenta (18%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4786, 0.2351, 0.2812 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 55.4786, 0.2351, 0.2812 by changing the saturation by 10% instead.


 55.4786, 0.2351,
0.2812


 55.4786, 0.2351,
0.2812


407.7236, 0.2715,
0.3049

 39.7850, 0.2268,
0.2755


 98.2418, 0.2478,
0.2897

 27.3710, 0.2165,
0.2682


 126.0803, 0.2527,
0.2929

 17.8520, 0.2036,
0.2588


 158.7358, 0.2569,
0.2957

 10.8438, 0.1869,
0.2461

196.5928, 0.2606,
0.2980

 5.9619, 0.1647,
0.2284

240.0357, 0.2638,
0.3001

 2.8219, 0.1342,
0.2022

289.4489, 0.2666,

 1.0395, 0.0874,

0.3019

0.1621

345.2167, 0.2692,
0.3035

0.0000, 0.0000,
0.0000

55.4786, 0.2351,
0.2812

55.4786, 0.2351,
0.2812

50.5904, 0.2235,
0.2703

60.9755, 0.2482,
0.2917

46.2666, 0.2137,
0.2592

67.1092, 0.2624,
0.3015

42.4655, 0.2059,
0.2480


73.9128, 0.2774,
0.3108

39.1345, 0.2001,
0.2369

81.4150, 0.2928,
0.3192

36.9895, 0.1970,
0.2292

89.6429, 0.3083,
0.3269

 96.9680, 0.3182,
0.3339

 99.4322, 0.3179,
0.3376

Harmonies

Analogous

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



55.4786, 0.2412, 0.3147



55.4786, 0.2351, 0.2812



55.4786, 0.2477, 0.2632

Triad

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



55.4786, 0.2351, 0.2812



55.4786, 0.3601, 0.3024



55.4786, 0.3450, 0.4053

Complementary

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



55.4786, 0.2351, 0.2812



43.9268, 0.4434, 0.3697

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.



55.4786, 0.3797, 0.3956



55.4786, 0.2351, 0.2812



55.4786, 0.3896, 0.3354

Square

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



55.4786, 0.2351, 0.2812



55.4786, 0.3181, 0.2764



55.4786, 0.3967, 0.3691



55.4786, 0.3031, 0.3912

Rectangle

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



55.4786, 0.2351, 0.2812



55.4786, 0.2657, 0.2607



55.4786, 0.3967, 0.3691



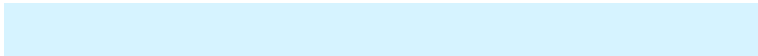
55.4786, 0.3579, 0.4045

Sweetspot

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



55.4807, 0.2351, 0.2812



85.7011, 0.2879, 0.3166



71.8975, 0.2880, 0.4514



17.9814, 0.2847, 0.3149



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.



55.4807, 0.2351, 0.2812



54.7802, 0.2232, 0.2700



30.3435, 0.2176, 0.1953



17.8928, 0.2980, 0.3219



20.0023, 0.1975, 0.2310



1.9348, 0.2013, 0.2447

Inverse Universe

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



36.6209, 0.3564, 0.2347



33.8869, 0.3683, 0.2203



70.8872, 0.4041, 0.4329



16.6810, 0.3183, 0.3124



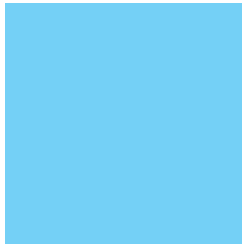
12.1186, 0.4116, 0.2041



1.0830, 0.3975, 0.1963

Previews

White Background



This preview shows how the Yxy color 55.4786, 0.2351, 0.2812 looks on a white background.

Color Contrast Check

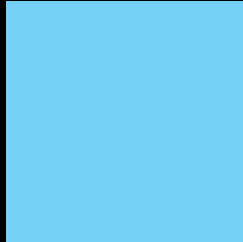
Large Text (above 18pt) WCAG AA × Fail

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 55.4786, 0.2351, 0.2812 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 55.4786, 0.2351, 0.2812

Background



This preview shows how black text looks on a background with the Yxy color 55.4786, 0.2351, 0.2812.

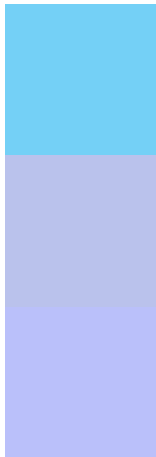


This preview shows how white text looks on a background with the Yxy color 55.4786, 0.2351, 0.2812.

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

55.4786, 0.2351, 0.2812

Protanopia

55.0788, 0.2778, 0.2798

Deuteranopia

55.0405, 0.2690, 0.2627



Tritanopia

55.5050, 0.2415, 0.3066

Trichromacy



Original Color

55.4786, 0.2351, 0.2812

Protanomaly

54.7152, 0.2596, 0.2793

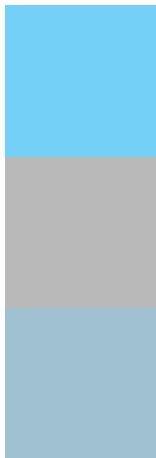
Deuteranomaly

54.8048, 0.2545, 0.2683

Tritanomaly

55.5361, 0.2389, 0.2966

Monochromacy



Original Color

55.4786, 0.2351, 0.2812

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

50.1185, 0.2779, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4786, 0.2351, 0.2812 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(116, 208, 246)` looks like.

```
.text, #text, p{  
    color:rgb(116, 208, 246)  
}
```

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(116, 208, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 208, 246) }
```

Border

The CSS property to change the border of an element to Yxy 55.4786, 0.2351, 0.2812 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(116, 208, 246) }
```

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

```
.border{ border-color:rgb(116, 208, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 208, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 208, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 208, 246); box-shadow:4px 4px 4px 4px rgb(116, 208, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4786, 0.2351, 0.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 208, 246) }
```

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

```
.background{ background-color: rgb(116,  
208, 246) }
```

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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