

Converting Colors

$Y_{xy}(55.6384, 0.2398, 0.2758)$

Have a look what the booklet for
Yxy(55.6384, 0.2398, 0.2758)
contains.

Yxy(55.8075, 0.2400, 0.2760)	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(55.8075, 0.2400, 0.2760)

Conversions

Conversions Part 1

Format	Color
Hex	83CEF9
RGB	131, 206, 249
RGB Percent	51%, 81%, 98%
CMY	0.4865, 0.1921, 0.0234
CMYK	0.47, 0.17, 0.00, 0.02
HSL	202°, 91%, 75%
HSV	202°, 47%, 98%
XYZ	48.5283, 55.8075, 97.8653
YIQ	188.4770, -58.5030, -2.5270

Conversions

Conversions Part 2

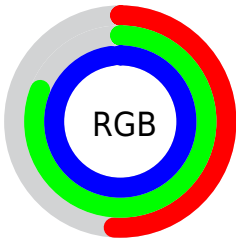
Format	Color
RYB	131, 177, 249
Decimal	8638201
CIELab	79.50, -12.03, -28.35
CIELCh	80, 30.797, 247.010
Yxy	55.8075, 0.2400, 0.2760
Android (android.graphics.Color)	4286828281 (0xFF83CEF9)
YUV	188.4770, 29.8378, -50.4073
Hunter-Lab	74.7044, -14.7785, -25.3788

Details

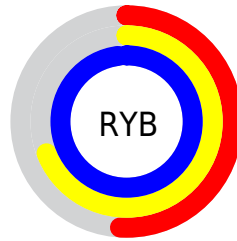
The Yxy color **55.8075, 0.2400, 0.2760** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.0473, 0.4201, 0.3750**, and the grayscale version is **50.4224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **27.6400, 0.2229, 0.2632** is the 20% darker color. If you saturate the color by 10%, you get **49.8112, 0.2266, 0.2624**, and if you desaturate by 10%, it is **62.5380, 0.2546, 0.2889**.

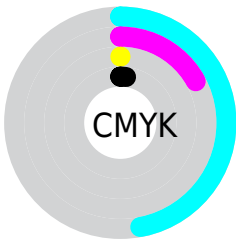
Distribution



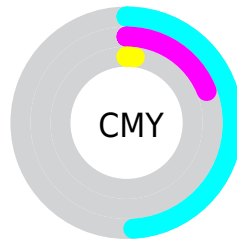
- Red (51%)
- Green (81%)
- Blue (98%)



- Red (51%)
- Yellow (69%)
- Blue (98%)



- Cyan (47%)
- Magenta (17%)
- Yellow (0%)
- Black (2%)



- Cyan (49%)
- Magenta (19%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8075, 0.2400, 0.2760 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 55.8075, 0.2400, 0.2760 by changing the saturation by 10% instead.

■ 55.8075, 0.2400,
0.2760

■ 55.8075, 0.2400,
0.2760

■ 408.9656, 0.2741,
0.3018

■ 40.0486, 0.2322,
0.2698

■ 98.7231, 0.2519,
0.2852

■ 27.5764, 0.2225,
0.2621

■ 126.6485, 0.2565,
0.2887

■ 18.0066, 0.2103,
0.2521

■ 159.3983, 0.2605,
0.2917

■ 10.9547, 0.1945,
0.2389

■ 197.3568, 0.2639,
0.2943

■ 6.0364, 0.1734,
0.2206

■ 240.9084, 0.2669,
0.2965

■ 2.8672, 0.1443,
0.1940

■ 290.4374, 0.2696,

■ 1.0628, 0.1021,

0.2985

0.1536

346.3284, 0.2720,
0.3003

0.0000, 0.0000,
0.0000

55.8075, 0.2400,
0.2760

55.8075, 0.2400,
0.2760

49.8112, 0.2266,
0.2624

62.5380, 0.2546,
0.2889

44.5038, 0.2147,
0.2484

70.0318, 0.2699,
0.3010

39.8436, 0.2046,
0.2341

78.3239, 0.2855,
0.3121

35.7795, 0.1967,
0.2200

87.4446, 0.3012,
0.3222

32.2461, 0.1909,
0.2062

97.3337, 0.3164,
0.3313

■ 31.3955, 0.1896,
0.2026

■ 99.6218, 0.3162,
0.3347

Harmonies

Analogous

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



55.8075, 0.2402, 0.3040



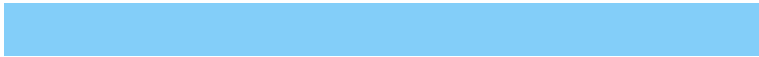
55.8075, 0.2400, 0.2760



55.8075, 0.2576, 0.2638

Triad

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



55.8075, 0.2400, 0.2760



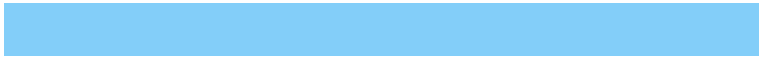
55.8075, 0.3689, 0.3131



55.8075, 0.3314, 0.4003

Complementary

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



55.8075, 0.2400, 0.2760



52.0473, 0.4201, 0.3750

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.



55.8075, 0.3680, 0.3980



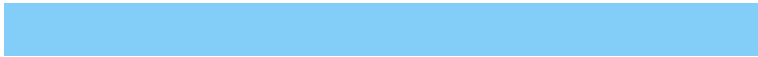
55.8075, 0.2400, 0.2760



55.8075, 0.3911, 0.3458

Square

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



55.8075, 0.2400, 0.2760



55.8075, 0.3311, 0.2852



55.8075, 0.3905, 0.3768



55.8075, 0.2913, 0.3796

Rectangle

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



55.8075, 0.2400, 0.2760



55.8075, 0.2780, 0.2646



55.8075, 0.3905, 0.3768



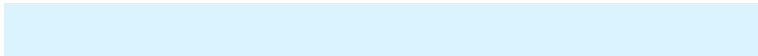
55.8075, 0.3445, 0.4021

Sweetspot

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



55.8096, 0.2400, 0.2760



85.8260, 0.2909, 0.3156



75.5844, 0.2859, 0.4261



17.9363, 0.2875, 0.3134



0.0000, 0.0000, 0.0000



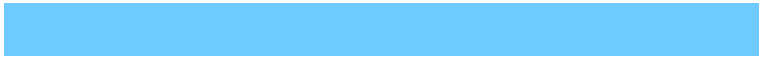
21.4041, 0.3127, 0.3290

Same Dimension

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



55.8096, 0.2400, 0.2760



52.7713, 0.2270, 0.2629



33.0514, 0.2261, 0.2012



18.4827, 0.2980, 0.3201



17.0801, 0.1902, 0.2049



1.7836, 0.1948, 0.2213

Inverse Universe

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



40.8221, 0.3593, 0.2514



36.6025, 0.3730, 0.2377



79.1167, 0.3907, 0.4302



17.4109, 0.3194, 0.3140



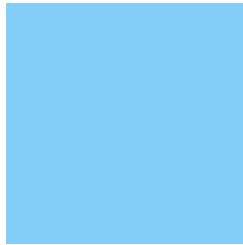
12.1351, 0.4398, 0.2197



1.1443, 0.4218, 0.2097

Previews

White Background



This preview shows how the Yxy color 55.8075, 0.2400, 0.2760 looks on a white background.

Color Contrast Check

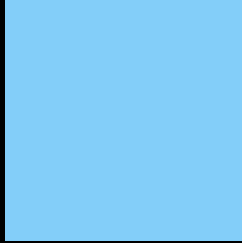
Large Text (above 18pt) WCAG AA × Fail

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 55.8075, 0.2400, 0.2760 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

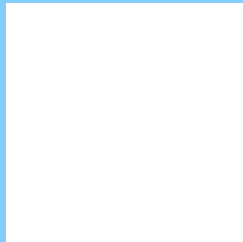
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8075, 0.2400, 0.2760

Background



This preview shows how black text looks on a background with the Yxy color 55.8075, 0.2400, 0.2760.



This preview shows how white text looks on a background with the Yxy color 55.8075, 0.2400, 0.2760.

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

55.8075, 0.2400, 0.2760

Protanopia

55.2487, 0.2740, 0.2743

Deuteranopia

55.6073, 0.2679, 0.2619



Tritanopia

55.9243, 0.2482, 0.3069

Trichromacy



Original Color

55.8075, 0.2400, 0.2760

Protanomaly

54.9192, 0.2597, 0.2740

Deuteranomaly

55.4602, 0.2565, 0.2667

Tritanomaly

56.1111, 0.2455, 0.2959

Monochromacy



Original Color

55.8075, 0.2400, 0.2760

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.8988, 0.2811, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8075, 0.2400, 0.2760 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(131, 206, 249)` looks like.

```
.text, #text, p{  
    color:rgb(131, 206, 249)  
}
```

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(131, 206, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 206, 249) }
```

Border

The CSS property to change the border of an element to Yxy 55.8075, 0.2400, 0.2760 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(131, 206, 249) }
```

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

```
.border{ border-color:rgb(131, 206, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 206, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 206, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 206, 249);  
box-shadow:4px 4px 4px 4px rgb(131, 206,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8075, 0.2400, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 206, 249) }
```

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

```
.background{ background-color: rgb(131,  
206, 249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor