

Converting Colors

$Yxy(58.0500, 0.2396, 0.2831)$

Have a look what the booklet for
Yxy(58.0500, 0.2396, 0.2831)
contains.

Yxy(57.9401, 0.2394, 0.2822)	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(57.9401, 0.2394, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	7FD3F9
RGB	127, 211, 249
RGB Percent	50%, 83%, 98%
CMY	0.5017, 0.1726, 0.0235
CMYK	0.49, 0.15, 0.00, 0.02
HSL	199°, 91%, 74%
HSV	199°, 49%, 98%
XYZ	49.1526, 57.9401, 98.2230
YIQ	190.2160, -62.2620, -5.9900

Conversions

Conversions Part 2

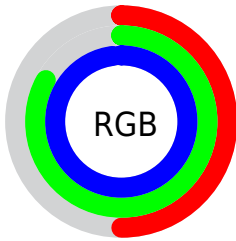
Format	Color
R _Y B	127, 177, 249
Decimal	8377337
CIE Lab	80.71, -15.50, -26.51
CIE LCh	81, 30.712, 239.690
Yxy	57.9401, 0.2394, 0.2822
Android (android.graphics.Color)	4286567417 (0xFF7FD3F9)
YUV	190.2160, 28.9805, -55.4404
Hunter-Lab	76.1184, -17.9428, -23.2248

Details

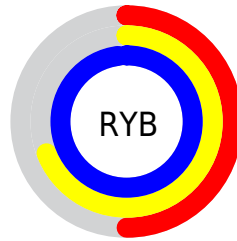
The Yxy color **57.9401, 0.2394, 0.2822** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.6130, 0.4287, 0.3697**, and the grayscale version is **51.4889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **28.7410, 0.2219, 0.2697** is the 20% darker color. If you saturate the color by 10%, you get **52.4955, 0.2269, 0.2707**, and if you desaturate by 10%, it is **64.0478, 0.2532, 0.2932**.

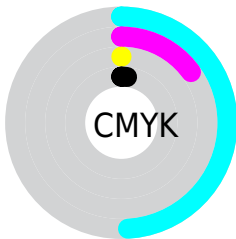
Distribution



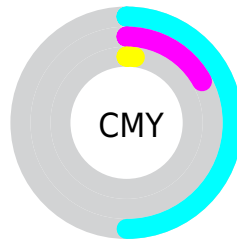
- Red (50%)
- Green (83%)
- Blue (98%)



- Red (50%)
- Yellow (69%)
- Blue (98%)



- Cyan (49%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



- Cyan (50%)
- Magenta (17%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9401, 0.2394, 0.2822 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 57.9401, 0.2394, 0.2822 by changing the saturation by 10% instead.

57.9401, 0.2394,
0.2822

57.9401, 0.2394,
0.2822

416.9627, 0.2736,
0.3051

41.7605, 0.2316,
0.2767

101.8356, 0.2513,
0.2904

28.9138, 0.2220,
0.2698

130.3203, 0.2559,
0.2935

19.0156, 0.2100,
0.2608

163.6755, 0.2599,
0.2962

11.6816, 0.1944,
0.2489

202.2856, 0.2633,
0.2984

6.5272, 0.1736,
0.2323

246.5350, 0.2664,
0.3004

3.1682, 0.1451,
0.2080

296.8080, 0.2690,

1.2202, 0.1044,

0.3022

0.1702

353.4891, 0.2714,
0.3038

0.0781, 0.0000,
0.0328

0.0000, 0.0000,
0.0000

57.9401, 0.2394,
0.2822

57.9401, 0.2394,
0.2822

52.4955, 0.2269,
0.2707

64.0478, 0.2532,
0.2932

47.6694, 0.2161,
0.2588

70.8464, 0.2680,
0.3035

43.4208, 0.2072,
0.2468

78.3697, 0.2833,
0.3131

39.6993, 0.2003,
0.2348

86.6469, 0.2988,
0.3219

■ 36.4308, 0.1954,
0.2230

■ 95.7054, 0.3143,
0.3298

■ 36.1118, 0.1950,
0.2218

■ 99.6202, 0.3162,
0.3347

Harmonies

Analogous

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



57.9401, 0.2440, 0.3131



57.9401, 0.2394, 0.2822



57.9401, 0.2527, 0.2661

Triad

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



57.9401, 0.2394, 0.2822



57.9401, 0.3599, 0.3059



57.9401, 0.3407, 0.4007

Complementary

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



57.9401, 0.2394, 0.2822



48.6130, 0.4287, 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.



57.9401, 0.3742, 0.3933



57.9401, 0.2394, 0.2822



57.9401, 0.3865, 0.3376

Square

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



57.9401, 0.2394, 0.2822



57.9401, 0.3208, 0.2805



57.9401, 0.3916, 0.3693



57.9401, 0.3010, 0.3857

Rectangle

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



57.9401, 0.2394, 0.2822



57.9401, 0.2705, 0.2644



57.9401, 0.3916, 0.3693



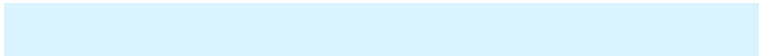
57.9401, 0.3531, 0.4006

Sweetspot

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



57.9423, 0.2394, 0.2822



86.0802, 0.2894, 0.3167



74.9419, 0.2882, 0.4381



18.0377, 0.2861, 0.3148



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.



57.9423, 0.2394, 0.2822



55.3563, 0.2268, 0.2706



33.6348, 0.2245, 0.2041



18.6421, 0.2980, 0.3214



19.5933, 0.1955, 0.2238



2.0037, 0.1994, 0.2378

Inverse Universe

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



40.0385, 0.3547, 0.2430



35.8307, 0.3669, 0.2281



75.3208, 0.3962, 0.4279



17.4270, 0.3186, 0.3128



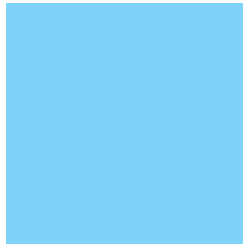
12.3889, 0.4192, 0.2083



1.1665, 0.4045, 0.2002

Previews

White Background



This preview shows how the Yxy color 57.9401, 0.2394, 0.2822 looks on a white background.

Color Contrast Check

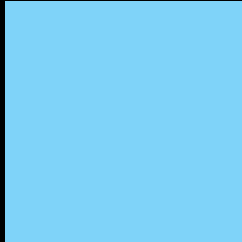
Large Text (above 18pt) WCAG AA × Fail

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 57.9401, 0.2394, 0.2822 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

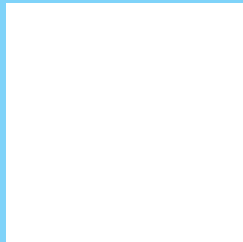
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.9401, 0.2394, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 57.9401, 0.2394, 0.2822.



This preview shows how white text looks on a background with the Yxy color 57.9401, 0.2394, 0.2822.

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

57.9401, 0.2394, 0.2822

Protanopia

57.1709, 0.2783, 0.2795

Deuteranopia

57.5845, 0.2716, 0.2660



Tritanopia

57.9276, 0.2458, 0.3071

Trichromacy



Original Color

57.9401, 0.2394, 0.2822

Protanomaly

56.9276, 0.2621, 0.2802

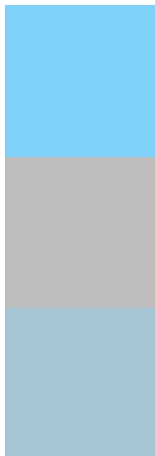
Deuteranomaly

57.0632, 0.2581, 0.2705

Tritanomaly

57.9725, 0.2431, 0.2974

Monochromacy



Original Color

57.9401, 0.2394, 0.2822

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.3068, 0.2807, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9401, 0.2394, 0.2822 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, 211, 249)` looks like.

```
.text, #text, p{  
    color:rgb(127, 211, 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(127, 211, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 211, 249) }
```

Border

The CSS property to change the border of an element to Yxy 57.9401, 0.2394, 0.2822 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, 211, 249) }
```

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

```
.border{ border-color:rgb(127, 211, 249) }
```

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

Here you see how a box with a 4 pixel rgb(127, 211, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 211, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 211, 249);  
box-shadow:4px 4px 4px 4px rgb(127, 211,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9401, 0.2394, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 211, 249) }
```

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

```
.background{ background-color: rgb(127,  
211, 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