

Converting Colors

$Yxy(57.3960, 0.2356, 0.2763)$

Have a look what the booklet for
Yxy(57.3960, 0.2356, 0.2763)
contains.

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Color

Yxy(57.3960, 0.2356, 0.2763)

Conversions

Conversions Part 1

Format	Color
Hex	7BD2FD
RGB	123, 210, 253
RGB Percent	48%, 82%, 99%
CMY	0.5176, 0.1764, 0.0080
CMYK	0.51, 0.17, 0.00, 0.01
HSL	200°, 97%, 74%
HSV	200°, 51%, 99%
XYZ	48.9414, 57.3960, 101.3934
YIQ	188.8890, -65.6550, -5.0710

Conversions

Conversions Part 2

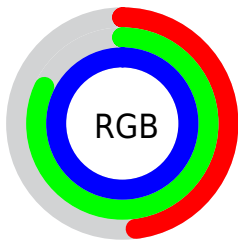
Format	Color
RYB	123, 175, 253
Decimal	8114941
CIELab	80.40, -14.77, -29.09
CIElCh	80, 32.628, 243.091
Yxy	57.3960, 0.2356, 0.2763
Android (android.graphics.Color)	4286305021 (0xFF7BD2FD)
YUV	188.8890, 31.6067, -57.7847
Hunter-Lab	75.7601, -17.2685, -26.3185

Details

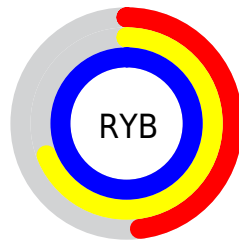
The Yxy color **57.3960, 0.2356, 0.2763** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.5708, 0.4353, 0.3740**, and the grayscale version is **50.6697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **28.7231, 0.2177, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **51.7448, 0.2232, 0.2639**, and if you desaturate by 10%, it is **63.7492, 0.2494, 0.2882**.

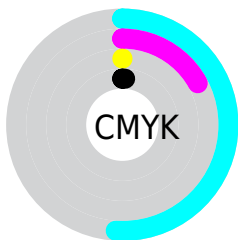
Distribution



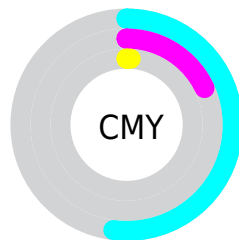
- Red (48%)
- Green (82%)
- Blue (99%)



- Red (48%)
- Yellow (69%)
- Blue (99%)



- Cyan (51%)
- Magenta (17%)
- Yellow (0%)
- Black (1%)




- Cyan (52%)
- Magenta (18%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.3960, 0.2356, 0.2763 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 57.3960, 0.2356, 0.2763 by changing the saturation by 10% instead.


 57.3960, 0.2356,
0.2763


 57.3960, 0.2356,
0.2763


414.9315, 0.2715,
0.3020

 41.3233, 0.2274,
0.2702


 101.0428, 0.2480,
0.2854

 28.5718, 0.2174,
0.2625

 129.3856, 0.2529,
0.2889

 18.7571, 0.2048,
0.2526


 162.5872, 0.2571,
0.2919

 11.4949, 0.1886,
0.2395

201.0321, 0.2607,
0.2945

 6.4007, 0.1672,
0.2214

245.1046, 0.2639,
0.2967

 3.0903, 0.1380,
0.1953

295.1890, 0.2667,

 1.1790, 0.0970,

0.2987

0.1558

351.6699, 0.2693,
0.3005

0.0445, 0.0000,
0.0170

0.0000, 0.0000,
0.0000

57.3960, 0.2356,
0.2763

57.3960, 0.2356,
0.2763

51.7448, 0.2232,
0.2639

63.7492, 0.2494,
0.2882

46.7480, 0.2125,
0.2511

70.8350, 0.2641,
0.2994

42.3607, 0.2038,
0.2383

78.6895, 0.2795,
0.3098

38.5272, 0.1973,
0.2256

87.3442, 0.2951,
0.3193

■ 35.5904, 0.1930,
0.2149

■ 96.8285, 0.3106,
0.3279

99.8693, 0.3139,
0.3309

Harmonies

Analogous

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



57.3960, 0.2382, 0.3074



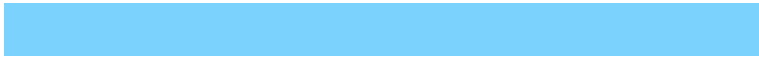
57.3960, 0.2356, 0.2763



57.3960, 0.2516, 0.2614

Triad

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



57.3960, 0.2356, 0.2763



57.3960, 0.3672, 0.3080



57.3960, 0.3376, 0.4051

Complementary

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



57.3960, 0.2356, 0.2763



49.5708, 0.4353, 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.



57.3960, 0.3747, 0.3993



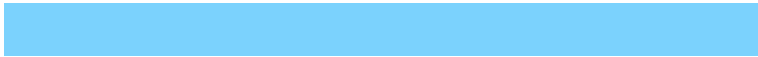
57.3960, 0.2356, 0.2763



57.3960, 0.3933, 0.3418

Square

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



57.3960, 0.2356, 0.2763



57.3960, 0.3262, 0.2801



57.3960, 0.3958, 0.3750



57.3960, 0.2954, 0.3864

Rectangle

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



57.3960, 0.2356, 0.2763



57.3960, 0.2716, 0.2609



57.3960, 0.3958, 0.3750



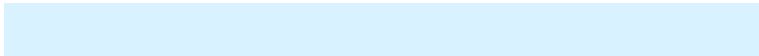
57.3960, 0.3511, 0.4058

Sweetspot

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



57.3981, 0.2356, 0.2763



85.6493, 0.2894, 0.3159



77.1248, 0.2864, 0.4418



17.9335, 0.2861, 0.3139



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.



57.3981, 0.2356, 0.2763



52.3426, 0.2224, 0.2631



32.1217, 0.2192, 0.1940



19.4100, 0.2980, 0.3210



19.2177, 0.1936, 0.2169



2.0716, 0.1976, 0.2312

Inverse Universe

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



39.7007, 0.3601, 0.2414



34.0901, 0.3743, 0.2268



78.4214, 0.3993, 0.4342



18.1923, 0.3189, 0.3132



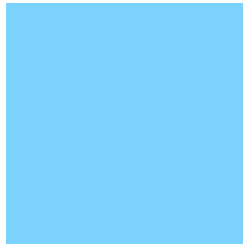
12.6680, 0.4266, 0.2124



1.2537, 0.4114, 0.2040

Previews

White Background



This preview shows how the Yxy color 57.3960, 0.2356, 0.2763 looks on a white background.

Color Contrast Check

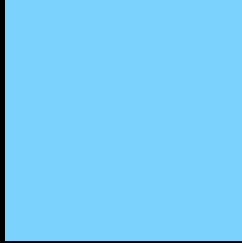
Large Text (above 18pt) WCAG AA × Fail

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 57.3960, 0.2356, 0.2763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

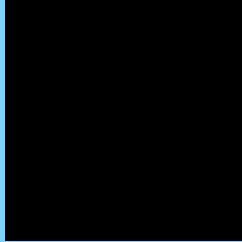
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

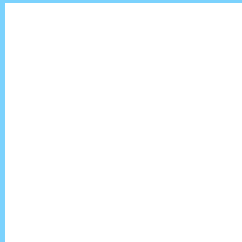
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.3960, 0.2356, 0.2763

Background



This preview shows how black text looks on a background with the Yxy color 57.3960, 0.2356, 0.2763.

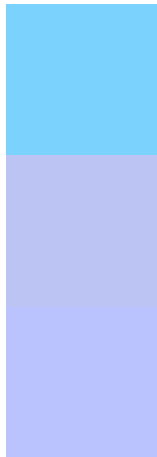


This preview shows how white text looks on a background with the Yxy color 57.3960, 0.2356, 0.2763.

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

57.3960, 0.2356, 0.2763

Protanopia

56.6423, 0.2750, 0.2749

Deuteranopia

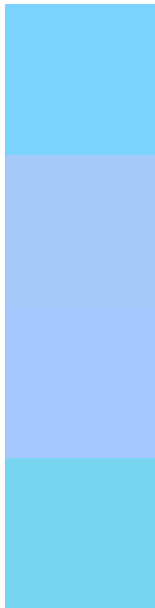
56.8150, 0.2671, 0.2614



Tritanopia

57.5757, 0.2435, 0.3070

Trichromacy



Original Color

57.3960, 0.2356, 0.2763

Protanomaly

56.3812, 0.2579, 0.2744

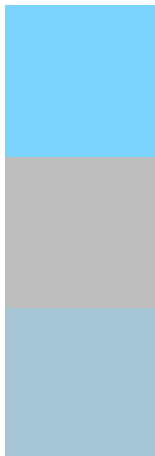
Deuteranomaly

56.3568, 0.2540, 0.2658

Tritanomaly

57.7424, 0.2409, 0.2960

Monochromacy



Original Color

57.3960, 0.2356, 0.2763

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.6853, 0.2786, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.3960, 0.2356, 0.2763 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(123, 210, 253)` looks like.

```
.text, #text, p{  
    color:rgb(123, 210, 253)  
}
```

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(123, 210, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 210, 253) }
```

Border

The CSS property to change the border of an element to Yxy 57.3960, 0.2356, 0.2763 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(123, 210, 253) }
```

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

```
.border{ border-color:rgb(123, 210, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 210, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 210, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 210, 253);  
box-shadow:4px 4px 4px 4px rgb(123, 210,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 57.3960, 0.2356, 0.2763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 210, 253) }
```

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

```
.background{ background-color: rgb(123,  
210, 253) }
```

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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