

Converting Colors

$Y_{xy}(58.3925, 0.2441, 0.2958)$

Have a look what the booklet for
Yxy(58.3925, 0.2441, 0.2958)
contains.

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Color

Yxy(58.3918, 0.2440, 0.2952)

Conversions

Conversions Part 1

Format	Color
Hex	7FD5F0
RGB	127, 213, 240
RGB Percent	50%, 84%, 94%
CMY	0.5022, 0.1646, 0.0589
CMYK	0.47, 0.11, 0.00, 0.06
HSL	194°, 79%, 72%
HSV	194°, 47%, 94%
XYZ	48.2642, 58.3918, 91.1482
YIQ	190.3640, -59.9230, -9.8350

Conversions

Conversions Part 2

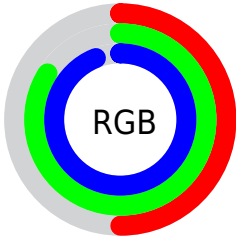
Format	Color
R _Y B	127, 176, 240
Decimal	8377840
CIE Lab	80.96, -19.01, -21.33
CIE LCh	81, 28.571, 228.282
Yxy	58.3918, 0.2440, 0.2952
Android (android.graphics.Color)	4286567920 (0xFF7FD5F0)
YUV	190.3640, 24.4705, -55.5702
Hunter-Lab	76.4145, -20.9829, -17.2317

Details

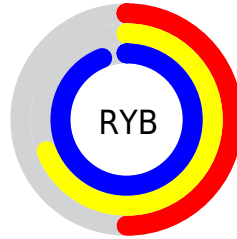
The Yxy color **58.3918, 0.2440, 0.2952** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.1288, 0.4271, 0.3591**, and the grayscale version is **51.5873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **29.1077, 0.2273, 0.2852** is the 20% darker color. If you saturate the color by 10%, you get **53.9377, 0.2322, 0.2867**, and if you desaturate by 10%, it is **63.3906, 0.2572, 0.3034**.

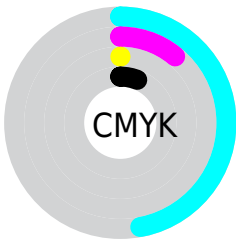
Distribution



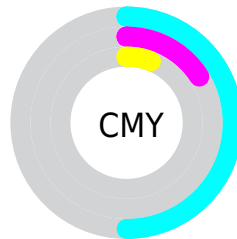
- Red (50%)
- Green (84%)
- Blue (94%)



- Red (50%)
- Yellow (69%)
- Blue (94%)



- Cyan (47%)
- Magenta (11%)
- Yellow (0%)
- Black (6%)





- Cyan (50%)
- Magenta (16%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3918, 0.2440, 0.2952 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 58.3918, 0.2440, 0.2952 by changing the saturation by 10% instead.


 58.3918, 0.2440,
0.2952


 58.3918, 0.2440,
0.2952

418.6443, 0.2761,
0.3121


 42.1237, 0.2366,
0.2911

 102.4932, 0.2552,
0.3013

 29.1982, 0.2276,
0.2858


 131.0953, 0.2595,
0.3036

 19.2308, 0.2161,
0.2789


 164.5775, 0.2632,
0.3055

 11.8372, 0.2012,
0.2696

203.3242, 0.2665,
0.3072

 6.6329, 0.1811,
0.2562

247.7199, 0.2693,
0.3087

 3.2336, 0.1532,
0.2360

298.1489, 0.2719,

 1.2549, 0.1113,

0.3100

0.2029

354.9955, 0.2741,
0.3111

0.1058, 0.0000,
0.0568

0.0000, 0.0000,
0.0000

58.3918, 0.2440,
0.2952

58.3918, 0.2440,
0.2952

53.9377, 0.2322,
0.2867

63.3906, 0.2572,
0.3034

49.9890, 0.2221,
0.2778


68.9571, 0.2714,
0.3111


46.5110, 0.2139,
0.2689


75.1205, 0.2864,
0.3182


43.4604, 0.2077,
0.2600

81.9062, 0.3017,
0.3247


 40.7817, 0.2035,
0.2512

 89.3376, 0.3172,
0.3307

 40.0510, 0.2024,
0.2486

 94.2915, 0.3221,
0.3362

 97.8530, 0.3216,
0.3416

 99.0701, 0.3215,
0.3435

Harmonies

Analogous

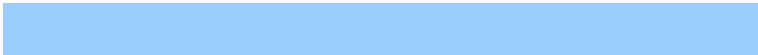
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.3918, 0.2547, 0.3278



58.3918, 0.2440, 0.2952



58.3918, 0.2502, 0.2745

Triad

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



58.3918, 0.2440, 0.2952



58.3918, 0.3435, 0.2976



58.3918, 0.3519, 0.3951

Complementary

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



58.3918, 0.2440, 0.2952



43.1288, 0.4271, 0.3591

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.



58.3918, 0.3782, 0.3818



58.3918, 0.2440, 0.2952



58.3918, 0.3738, 0.3257

Square

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



58.3918, 0.2440, 0.2952



58.3918, 0.3059, 0.2772



58.3918, 0.3867, 0.3560



58.3918, 0.3160, 0.3891

Rectangle

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



58.3918, 0.2440, 0.2952



58.3918, 0.2632, 0.2689



58.3918, 0.3867, 0.3560



58.3918, 0.3622, 0.3926

Sweetspot

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



58.3940, 0.2440, 0.2952



88.5338, 0.2910, 0.3203



69.1252, 0.2928, 0.4431



18.5992, 0.2877, 0.3188



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.



58.3940, 0.2440, 0.2952



61.8740, 0.2321, 0.2866



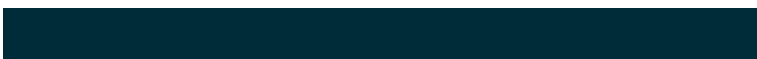
34.9374, 0.2302, 0.2201



17.2527, 0.2981, 0.3232



22.1446, 0.2028, 0.2501



1.9939, 0.2060, 0.2617

Inverse Universe

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



38.4880, 0.3438, 0.2384



37.5215, 0.3529, 0.2216



66.0634, 0.3964, 0.4173



15.9632, 0.3174, 0.3112



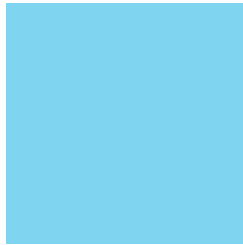
12.0289, 0.3922, 0.1934



1.0160, 0.3808, 0.1871

Previews

White Background



This preview shows how the Yxy color 58.3918, 0.2440, 0.2952 looks on a white background.

Color Contrast Check

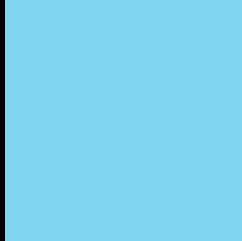
Large Text (above 18pt) WCAG AA × Fail

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 58.3918, 0.2440, 0.2952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

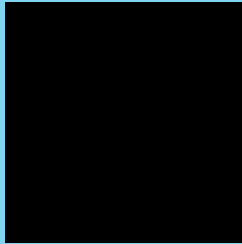
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3918, 0.2440, 0.2952

Background



This preview shows how black text looks on a background with the Yxy color 58.3918, 0.2440, 0.2952.



This preview shows how white text looks on a background with the Yxy color 58.3918, 0.2440, 0.2952.

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

58.3918, 0.2440, 0.2952

Protanopia

57.5707, 0.2875, 0.2918

Deuteranopia

58.0173, 0.2813, 0.2749



Tritanopia

58.2044, 0.2467, 0.3060

Trichromacy



Original Color

58.3918, 0.2440, 0.2952

Protanomaly

57.1984, 0.2692, 0.2917

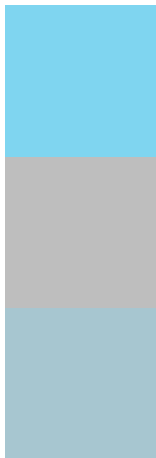
Deuteranomaly

57.4828, 0.2652, 0.2806

Tritanomaly

58.4513, 0.2457, 0.3023

Monochromacy



Original Color

58.3918, 0.2440, 0.2952

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.1577, 0.2827, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3918, 0.2440, 0.2952 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, 213, 240)` looks like.

```
.text, #text, p{  
    color:rgb(127, 213, 240)  
}
```

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, 213, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 213, 240) }
```

Border

The CSS property to change the border of an element to Yxy 58.3918, 0.2440, 0.2952 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, 213, 240) }
```

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

```
.border{ border-color:rgb(127, 213, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 213, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 213, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 213, 240);  
box-shadow:4px 4px 4px 4px rgb(127, 213,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3918, 0.2440, 0.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 213, 240) }
```

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

```
.background{ background-color: rgb(127,  
213, 240) }
```

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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