

Converting Colors

$Yxy(58.2802, 0.2341, 0.2881)$

Have a look what the booklet for
Yxy(58.2802, 0.2341, 0.2881)
contains.

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Color

Yxy(58.1235, 0.2339, 0.2876)

Conversions

Conversions Part 1

Format	Color
Hex	6ED6F7
RGB	110, 214, 247
RGB Percent	43%, 84%, 97%
CMY	0.5682, 0.1608, 0.0315
CMYK	0.55, 0.13, 0.00, 0.03
HSL	194°, 90%, 70%
HSV	194°, 55%, 97%
XYZ	47.2708, 58.1235, 96.7041
YIQ	186.6660, -72.5770, -11.7850

Conversions

Conversions Part 2

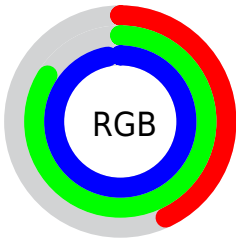
Format	Color
R _{YB}	110, 169, 247
Decimal	7263991
CIE _{Lab}	80.81, -21.13, -25.34
CIE _{LCh}	81, 32.990, 230.177
Y _{xy}	58.1235, 0.2339, 0.2876
Android (android.graphics.Color)	4285454071 (0xFF6ED6F7)
YUV	186.6660, 29.7447, -67.2361
Hunter-Lab	76.2388, -22.7413, -21.8385

Details

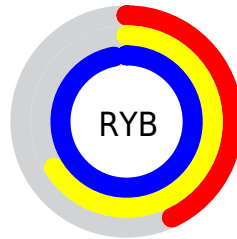
The Yxy color **58.1235, 0.2339, 0.2876** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **40.5667, 0.4575, 0.3639**, and the grayscale version is **49.3696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **29.0090, 0.2152, 0.2753** is the 20% darker color. If you saturate the color by 10%, you get **53.7970, 0.2235, 0.2787**, and if you desaturate by 10%, it is **63.0059, 0.2460, 0.2962**.

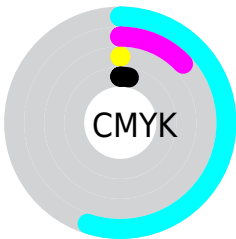
Distribution



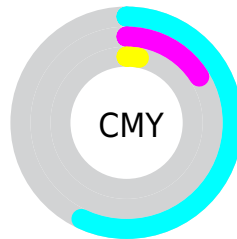
- Red (43%)
- Green (84%)
- Blue (97%)



- Red (43%)
- Yellow (66%)
- Blue (97%)



- Cyan (55%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)





- Cyan (57%)
- Magenta (16%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1235, 0.2339, 0.2876 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 58.1235, 0.2339, 0.2876 by changing the saturation by 10% instead.


 58.1235, 0.2339,
0.2876


 58.1235, 0.2339,
0.2876


417.6460, 0.2705,
0.3082


 41.9079, 0.2256,
0.2826

 102.1027, 0.2466,
0.2950

 29.0292, 0.2154,
0.2762


 130.6351, 0.2515,
0.2978

 19.1029, 0.2026,
0.2679


 164.0419, 0.2558,
0.3002

 11.7447, 0.1861,
0.2567

202.7075, 0.2595,
0.3023

 6.5701, 0.1643,
0.2408

247.0164, 0.2628,
0.3041

 3.1947, 0.1345,
0.2173

297.3528, 0.2656,

 1.2342, 0.0908,

0.3056

0.1804

354.1012, 0.2682,
0.3070

0.0894, 0.0000,
0.0394

0.0000, 0.0000,
0.0000

58.1235, 0.2339,
0.2876

58.1235, 0.2339,
0.2876

53.7970, 0.2235,
0.2787

63.0059, 0.2460,
0.2962

49.9811, 0.2149,
0.2697

68.4721, 0.2594,
0.3044

46.6327, 0.2084,
0.2606

74.5556, 0.2738,
0.3121

43.6966, 0.2038,
0.2517

81.2852, 0.2889,
0.3192

■ 42.4527, 0.2021,
0.2476

■ 88.6877, 0.3043,
0.3257

■ 96.1600, 0.3177,
0.3316

■ 99.4940, 0.3174,
0.3367

Harmonies

Analogous

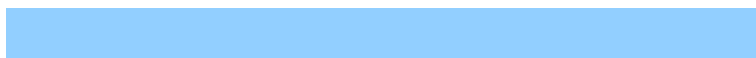
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.1235, 0.2448, 0.3245



58.1235, 0.2339, 0.2876



58.1235, 0.2421, 0.2653

Triad

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



58.1235, 0.2339, 0.2876



58.1235, 0.3508, 0.2947



58.1235, 0.3552, 0.4060

Complementary

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



58.1235, 0.2339, 0.2876



40.5667, 0.4575, 0.3639

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.



58.1235, 0.3868, 0.3909



58.1235, 0.2339, 0.2876



58.1235, 0.3851, 0.3269

Square

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



58.1235, 0.2339, 0.2876



58.1235, 0.3073, 0.2709



58.1235, 0.3984, 0.3614



58.1235, 0.3134, 0.3979

Rectangle

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



58.1235, 0.2339, 0.2876



58.1235, 0.2576, 0.2600



58.1235, 0.3984, 0.3614



58.1235, 0.3674, 0.4032

Sweetspot

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



58.1257, 0.2339, 0.2876



86.2006, 0.2864, 0.3181



71.7831, 0.2905, 0.4677



18.1315, 0.2834, 0.3167



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.



58.1257, 0.2339, 0.2876



57.1199, 0.2219, 0.2772



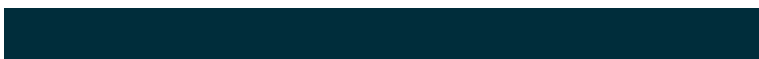
30.7778, 0.2147, 0.1966



18.0415, 0.2980, 0.3232



22.6885, 0.2025, 0.2491



2.1523, 0.2056, 0.2603

Inverse Universe

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



35.7975, 0.3517, 0.2245



32.4704, 0.3629, 0.2084



67.2266, 0.4126, 0.4311



16.6960, 0.3175, 0.3112



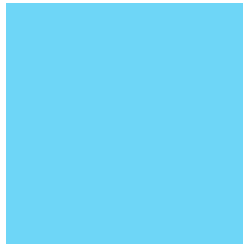
12.3898, 0.3931, 0.1939



1.1049, 0.3821, 0.1879

Previews

White Background



This preview shows how the Yxy color 58.1235, 0.2339, 0.2876 looks on a white background.

Color Contrast Check

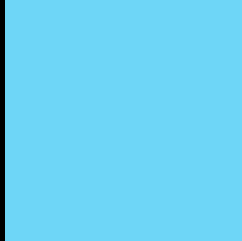
Large Text (above 18pt) WCAG AA × Fail

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 58.1235, 0.2339, 0.2876 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 58.1235, 0.2339, 0.2876

Background



This preview shows how black text looks on a background with the Yxy color 58.1235, 0.2339, 0.2876.



This preview shows how white text looks on a background with the Yxy color 58.1235, 0.2339, 0.2876.

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

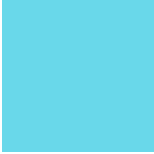
58.1235, 0.2339, 0.2876

Protanopia

57.6508, 0.2823, 0.2851

Deuteranopia

57.6514, 0.2729, 0.2671



Tritanopia

58.0555, 0.2381, 0.3056

Trichromacy



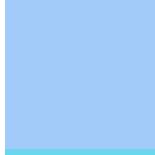
Original Color

58.1235, 0.2339, 0.2876



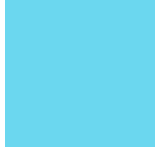
Protanomaly

57.1584, 0.2610, 0.2857



Deuteranomaly

57.2954, 0.2554, 0.2735



Tritanomaly

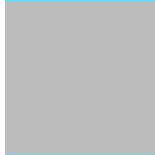
57.9587, 0.2364, 0.2982

Monochromacy



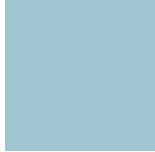
Original Color

58.1235, 0.2339, 0.2876



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

51.9069, 0.2764, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1235, 0.2339, 0.2876 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(110, 214, 247)` looks like.

```
.text, #text, p{  
    color:rgb(110, 214, 247)  
}
```

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(110, 214, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 214, 247) }
```

Border

The CSS property to change the border of an element to Yxy 58.1235, 0.2339, 0.2876 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(110, 214, 247) }
```

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

```
.border{ border-color:rgb(110, 214, 247) }
```

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

Here you see how a box with a 4 pixel rgb(110, 214, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 214, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 214, 247);  
box-shadow:4px 4px 4px 4px rgb(110, 214,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1235, 0.2339, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 214, 247) }
```

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

```
.background{ background-color: rgb(110,  
214, 247) }
```

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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