

Converting Colors

$Y_{xy}(59.1893, 0.2474, 0.2946)$

Have a look what the booklet for
Yxy(59.1893, 0.2474, 0.2946)
contains.

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Color

Yxy(59.0903, 0.2474, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	87D5F1
RGB	135, 213, 241
RGB Percent	53%, 84%, 95%
CMY	0.4703, 0.1647, 0.0548
CMYK	0.44, 0.12, 0.00, 0.05
HSL	196°, 79%, 74%
HSV	196°, 44%, 95%
XYZ	49.6736, 59.0903, 92.0186
YIQ	192.8700, -55.4760, -7.8280

Conversions

Conversions Part 2

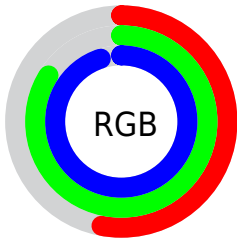
Format	Color
RYB	135, 180, 241
Decimal	8902129
CIELab	81.34, -16.83, -21.26
CIELCh	81, 27.114, 231.639
Yxy	59.0903, 0.2474, 0.2943
Android (android.graphics.Color)	4287092209 (0xFF87D5F1)
YUV	192.8700, 23.7281, -50.7520
Hunter-Lab	76.8702, -19.1760, -17.1648

Details

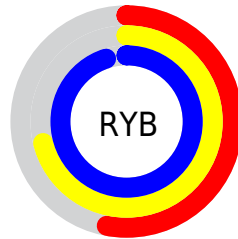
The Yxy color **59.0903, 0.2474, 0.2943** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.6864, 0.4150, 0.3603**, and the grayscale version is **53.1417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **29.5343, 0.2314, 0.2842** is the 20% darker color. If you saturate the color by 10%, you get **54.1685, 0.2348, 0.2849**, and if you desaturate by 10%, it is **64.5954, 0.2612, 0.3033**.

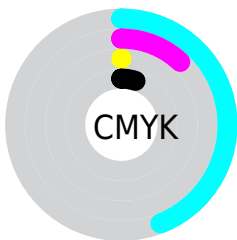
Distribution



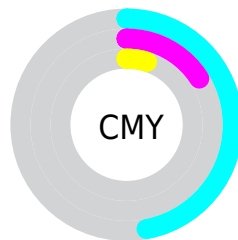
- Red (53%)
- Green (84%)
- Blue (95%)



- Red (53%)
- Yellow (71%)
- Blue (95%)



- Cyan (44%)
- Magenta (12%)
- Yellow (0%)
- Black (5%)



- Cyan (47%)
- Magenta (16%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0903, 0.2474, 0.2943 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 59.0903, 0.2474, 0.2943 by changing the saturation by 10% instead.

■ 59.0903, 0.2474,
0.2943

■ 59.0903, 0.2474,
0.2943

■ 421.2365, 0.2779,
0.3115

■ 42.6858, 0.2404,
0.2901

■ 103.5089, 0.2580,
0.3005

■ 29.6387, 0.2318,
0.2848

■ 132.2918, 0.2621,
0.3028

■ 19.5645, 0.2209,
0.2780

■ 165.9696, 0.2657,
0.3048

■ 12.0789, 0.2067,
0.2686

■ 204.9268, 0.2688,
0.3065

■ 6.7974, 0.1875,
0.2554

■ 249.5476, 0.2715,
0.3080

■ 3.3357, 0.1608,
0.2356

■ 300.2166, 0.2739,

■ 1.3094, 0.1214,

0.3093

0.2031

357.3181, 0.2760,
0.3104

0.1485, 0.0000,
0.0753

0.0000, 0.0000,
0.0000

59.0903, 0.2474,
0.2943

59.0903, 0.2474,
0.2943

54.1685, 0.2348,
0.2849

64.5954, 0.2612,
0.3033

49.7907, 0.2238,
0.2751

70.7062, 0.2759,
0.3116

45.9230, 0.2146,
0.2651

77.4523, 0.2911,
0.3194

42.5236, 0.2074,
0.2551

84.8590, 0.3066,
0.3264

■ 39.5419, 0.2022,
0.2451

■ 92.8386, 0.3216,
0.3328

■ 37.8968, 0.1998,
0.2392

■ 96.7608, 0.3211,
0.3389

■ 99.1319, 0.3208,
0.3424

Harmonies

Analogous

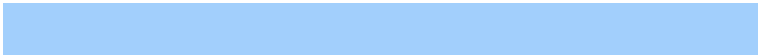
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.0903, 0.2559, 0.3242



59.0903, 0.2474, 0.2943



59.0903, 0.2550, 0.2760

Triad

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



59.0903, 0.2474, 0.2943



59.0903, 0.3456, 0.3019



59.0903, 0.3464, 0.3918

Complementary

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



59.0903, 0.2474, 0.2943



46.6864, 0.4150, 0.3603

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.



59.0903, 0.3726, 0.3812



59.0903, 0.2474, 0.2943



59.0903, 0.3727, 0.3292

Square

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



59.0903, 0.2474, 0.2943



59.0903, 0.3103, 0.2815



59.0903, 0.3827, 0.3578



59.0903, 0.3120, 0.3837

Rectangle

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



59.0903, 0.2474, 0.2943



59.0903, 0.2685, 0.2717



59.0903, 0.3827, 0.3578



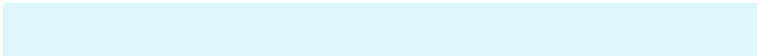
59.0903, 0.3565, 0.3901

Sweetspot

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



59.0926, 0.2474, 0.2943



88.7775, 0.2926, 0.3200



70.6709, 0.2929, 0.4317



18.6218, 0.2891, 0.3184



0.0000, 0.0000, 0.0000



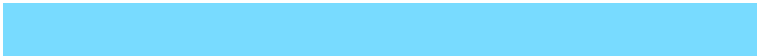
21.4041, 0.3127, 0.3290

Same Dimension

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



59.0926, 0.2474, 0.2943



61.9935, 0.2358, 0.2856



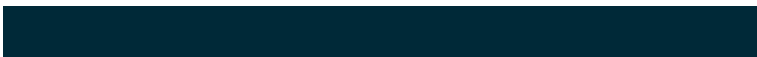
37.1957, 0.2357, 0.2264



17.1801, 0.2981, 0.3226



20.7796, 0.2002, 0.2408



1.8903, 0.2038, 0.2538

Inverse Universe

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



40.8567, 0.3439, 0.2466



39.7843, 0.3528, 0.2310



68.8179, 0.3895, 0.4134



15.9558, 0.3178, 0.3118



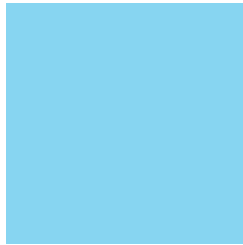
11.8911, 0.4015, 0.1985



1.0055, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 59.0903, 0.2474, 0.2943 looks on a white background.

Color Contrast Check

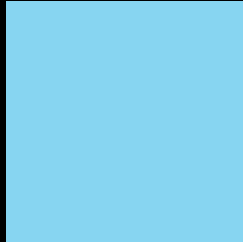
Large Text (above 18pt) WCAG AA × Fail

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 59.0903, 0.2474, 0.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

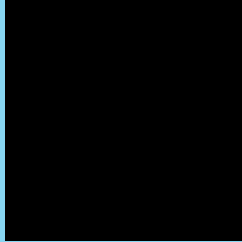
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.0903, 0.2474, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 59.0903, 0.2474, 0.2943.



This preview shows how white text looks on a background with the Yxy color 59.0903, 0.2474, 0.2943.

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

59.0903, 0.2474, 0.2943

Protanopia

58.7369, 0.2870, 0.2921

Deuteranopia

58.6063, 0.2820, 0.2762



Tritanopia

59.3326, 0.2507, 0.3075

Trichromacy



Original Color

59.0903, 0.2474, 0.2943

Protanomaly

58.5450, 0.2708, 0.2932

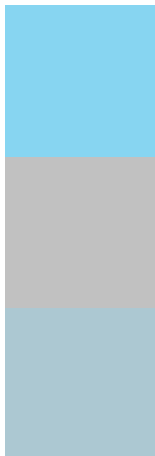
Deuteranomaly

58.4130, 0.2678, 0.2822

Tritanomaly

59.0778, 0.2495, 0.3026

Monochromacy



Original Color

59.0903, 0.2474, 0.2943

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

54.7324, 0.2850, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0903, 0.2474, 0.2943 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(135, 213, 241)` looks like.

```
.text, #text, p{  
    color:rgb(135, 213, 241)  
}
```

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(135, 213, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 213, 241) }
```

Border

The CSS property to change the border of an element to Yxy 59.0903, 0.2474, 0.2943 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(135, 213, 241) }
```

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

```
.border{ border-color:rgb(135, 213, 241) }
```

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

Here you see how a box with a 4 pixel rgb(135, 213, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 213, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 213, 241);  
box-shadow:4px 4px 4px 4px rgb(135, 213,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0903, 0.2474, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 213, 241) }
```

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

```
.background{ background-color: rgb(135,  
213, 241) }
```

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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