

Converting Colors

$Yxy(42.0869, 0.2185, 0.2507)$

Have a look what the booklet for
Yxy(42.0869, 0.2185, 0.2507)
contains.

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Color

Yxy(42.2926, 0.2185, 0.2509)

Conversions

Conversions Part 1

Format	Color
Hex	58B7F1
RGB	88, 183, 241
RGB Percent	35%, 72%, 95%
CMY	0.6551, 0.2823, 0.0549
CMYK	0.64, 0.24, 0.00, 0.05
HSL	203°, 85%, 65%
HSV	203°, 64%, 95%
XYZ	36.8311, 42.2926, 89.4398
YIQ	161.2070, -75.2380, -2.1020

Conversions

Conversions Part 2

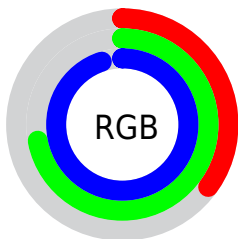
Format	Color
R _Y B	88, 147, 241
Decimal	5814257
CIE Lab	71.07, -10.78, -37.18
CIE LCh	71, 38.715, 253.825
Yxy	42.2926, 0.2185, 0.2509
Android (android.graphics.Color)	4284004337 (0xFF58B7F1)
YUV	161.2070, 39.3379, -64.2025
Hunter-Lab	65.0328, -12.7143, -36.0189

Details

The Yxy color **42.2926, 0.2185, 0.2509** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **39.9449, 0.4706, 0.3892**, and the grayscale version is **35.5773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5323, 0.2537, 0.3106**, and **19.4680, 0.1970, 0.2291** is the 20% darker color. If you saturate the color by 10%, you get **37.6608, 0.2075, 0.2361**, and if you desaturate by 10%, it is **47.5603, 0.2313, 0.2654**.

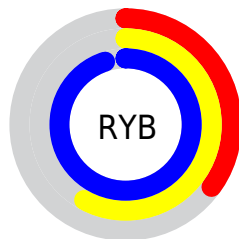
Distribution



Red (35%)

Green (72%)

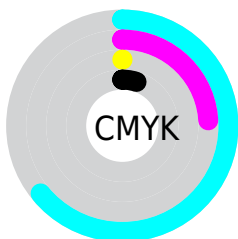
Blue (95%)



Red (35%)

Yellow (58%)

Blue (95%)

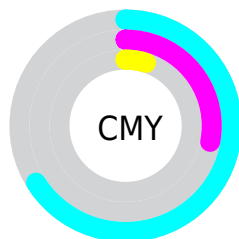


Cyan (64%)

Magenta (24%)

Yellow (0%)

Black (5%)



Cyan (66%)


Magenta (28%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2926, 0.2185, 0.2509 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 42.2926, 0.2185, 0.2509 by changing the saturation by 10% instead.


 42.2926, 0.2185,
0.2509


 42.2926, 0.2185,
0.2509

355.6944, 0.2642,
0.2900

 29.3305, 0.2078,
0.2414


 78.6423, 0.2346,
0.2650


 19.3310, 0.1945,
0.2293


 102.7986, 0.2408,
0.2703

 11.9097, 0.1776,
0.2137


 131.4551, 0.2461,
0.2749

 6.6822, 0.1557,
0.1930

 164.9962, 0.2507,
0.2788

 3.2642, 0.1268,
0.1645

203.8063, 0.2547,
0.2821

 1.2711, 0.0885,
0.1246

248.2698, 0.2582,

 0.1187, 0.0000,

0.2851

0.0287

298.7710, 0.2614,
0.2877

■ 0.0000, 0.0000,
0.0000

■ 42.2926, 0.2185,
0.2509

■ 42.2926, 0.2185,
0.2509

■ 37.6608, 0.2075,
0.2361

■ 47.5603, 0.2313,
0.2654

■ 33.6158, 0.1985,
0.2213

■ 53.4984, 0.2454,
0.2793

■ 30.1057, 0.1917,
0.2068

■ 60.1436, 0.2604,
0.2924

■ 28.0625, 0.1882,
0.1976

■ 67.5280, 0.2760,
0.3045

■ 75.6813, 0.2917,
0.3156

■ 84.6315, 0.3073,
0.3257

■ 94.0900, 0.3215,
0.3348

■ 99.1308, 0.3209,
0.3425

Harmonies

Analogous

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



42.2926, 0.2131, 0.2828



42.2926, 0.2185, 0.2509



42.2926, 0.2463, 0.2409

Triad

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



42.2926, 0.2185, 0.2509



42.2926, 0.3998, 0.3159



42.2926, 0.3241, 0.4259

Complementary

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



42.2926, 0.2185, 0.2509



39.9449, 0.4706, 0.3892

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.



42.2926, 0.3768, 0.4273



42.2926, 0.2185, 0.2509



42.2926, 0.4237, 0.3594

Square

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



42.2926, 0.2185, 0.2509



42.2926, 0.3503, 0.2776



42.2926, 0.4142, 0.4003



42.2926, 0.2709, 0.3898

Rectangle

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



42.2926, 0.2185, 0.2509



42.2926, 0.2759, 0.2455



42.2926, 0.4142, 0.4003



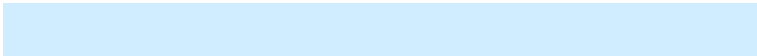
42.2926, 0.3425, 0.4303

Sweetspot

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



42.2941, 0.2185, 0.2509



80.7819, 0.2830, 0.3096



66.9984, 0.2799, 0.4629



16.7323, 0.2785, 0.3063



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.



42.2941, 0.2185, 0.2509



41.4976, 0.2048, 0.2321



19.2245, 0.1944, 0.1477



16.8641, 0.2980, 0.3198



15.4859, 0.1889, 0.1999



1.4794, 0.1941, 0.2188

Inverse Universe

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



29.0918, 0.3856, 0.2322



27.9784, 0.4072, 0.2220



70.9028, 0.4136, 0.4597



15.9239, 0.3196, 0.3144



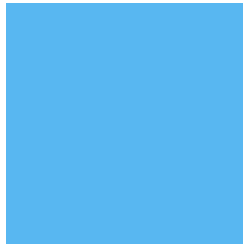
11.3567, 0.4454, 0.2227



0.9641, 0.4246, 0.2113

Previews

White Background



This preview shows how the Yxy color 42.2926, 0.2185, 0.2509 looks on a white background.

Color Contrast Check

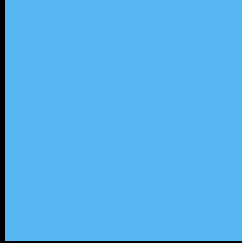
Large Text (above 18pt) WCAG AA × Fail

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 42.2926, 0.2185, 0.2509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

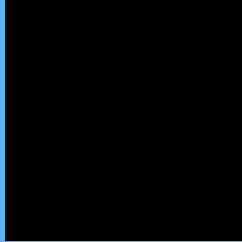
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

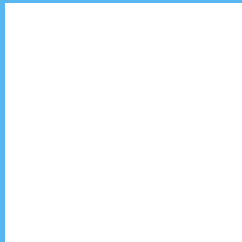
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2926, 0.2185, 0.2509

Background



This preview shows how black text looks on a background with the Yxy color 42.2926, 0.2185, 0.2509.



This preview shows how white text looks on a background with the Yxy color 42.2926, 0.2185, 0.2509.

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

42.2926, 0.2185, 0.2509

Protanopia

42.0199, 0.2564, 0.2515

Deuteranopia

41.9534, 0.2443, 0.2377



Tritanopia

42.5368, 0.2303, 0.3065

Trichromacy



Original Color

42.2926, 0.2185, 0.2509

Protanomaly

41.4834, 0.2395, 0.2504

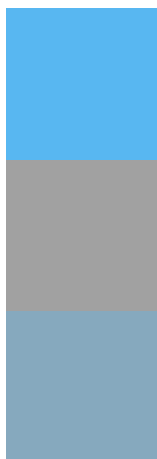
Deuteranomaly

41.5666, 0.2327, 0.2411

Tritanomaly

42.1804, 0.2257, 0.2843

Monochromacy



Original Color

42.2926, 0.2185, 0.2509

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.1620, 0.2673, 0.2982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2926, 0.2185, 0.2509 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(88, 183, 241)` looks like.

```
.text, #text, p{  
    color:rgb(88, 183, 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(88, 183, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 183, 241) }
```

Border

The CSS property to change the border of an element to Yxy 42.2926, 0.2185, 0.2509 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(88, 183, 241) }
```

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

```
.border{ border-color:rgb(88, 183, 241) }
```

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

Here you see how a box with a 4 pixel rgb(88, 183, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 183, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 183, 241);  
box-shadow:4px 4px 4px 4px rgb(88, 183,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2926, 0.2185, 0.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 183, 241) }
```

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

```
.background{ background-color: rgb(88, 183,  
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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