

Converting Colors

$Yxy(51.6013, 0.2408, 0.2692)$

Have a look what the booklet for
Yxy(51.6013, 0.2408, 0.2692)
contains.

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Color

Yxy(51.5116, 0.2408, 0.2689)

Conversions

Conversions Part 1

Format	Color
Hex	85C5F5
RGB	133, 197, 245
RGB Percent	52%, 77%, 96%
CMY	0.4783, 0.2275, 0.0391
CMYK	0.46, 0.20, 0.00, 0.04
HSL	206°, 85%, 74%
HSV	206°, 46%, 96%
XYZ	46.1286, 51.5116, 93.9239
YIQ	183.3360, -53.5520, 1.3600

Conversions

Conversions Part 2

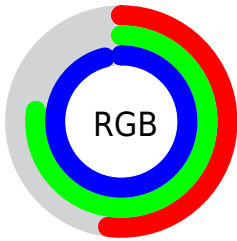
Format	Color
RYB	133, 174, 245
Decimal	8766965
CIELab	76.99, -7.88, -30.06
CIELCh	77, 31.078, 255.310
Yxy	51.5116, 0.2408, 0.2689
Android (android.graphics.Color)	4286957045 (0xFF85C5F5)
YUV	183.3360, 30.4004, -44.1447
Hunter-Lab	71.7716, -10.8757, -27.3498

Details

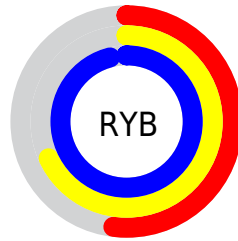
The Yxy color **51.5116, 0.2408, 0.2689** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.1941, 0.4109, 0.3810**, and the grayscale version is **47.4058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1800, 0.2756, 0.3278**, and **24.8149, 0.2224, 0.2519** is the 20% darker color. If you saturate the color by 10%, you get **45.1375, 0.2263, 0.2528**, and if you desaturate by 10%, it is **58.6876, 0.2562, 0.2841**.

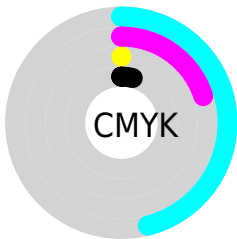
Distribution



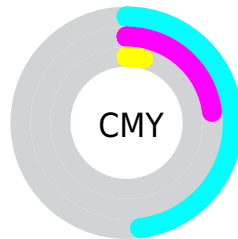
- Red (52%)
- Green (77%)
- Blue (96%)



- Red (52%)
- Yellow (68%)
- Blue (96%)



- Cyan (46%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)



- Cyan (48%)
- Magenta (23%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5116, 0.2408, 0.2689 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 51.5116, 0.2408, 0.2689 by changing the saturation by 10% instead.

■ 51.5116, 0.2408,
0.2689

■ 51.5116, 0.2408,
0.2689

392.5482, 0.2751,
0.2982

■ 36.6159, 0.2328,
0.2619

■ 92.4106, 0.2528,
0.2793

■ 24.9103, 0.2229,
0.2531

■ 119.1826, 0.2575,
0.2833

■ 16.0102, 0.2103,
0.2417

■ 150.6823, 0.2614,
0.2867

■ 9.5314, 0.1939,
0.2267

187.2939, 0.2649,
0.2897

■ 5.0894, 0.1717,
0.2058

229.4019, 0.2679,
0.2922

■ 2.2998, 0.1408,
0.1758

277.3907, 0.2706,

■ 0.7736, 0.0916,

0.2945

0.1306

331.6447, 0.2729,
0.2965

0.0000, 0.0000,
0.0000

51.5116, 0.2408,
0.2689

51.5116, 0.2408,
0.2689

45.1375, 0.2263,
0.2528

58.6876, 0.2562,
0.2841

39.5200, 0.2131,
0.2362

66.6958, 0.2722,
0.2982

34.6169, 0.2018,
0.2192

75.5719, 0.2881,
0.3112

30.3778, 0.1926,
0.2025

85.3471, 0.3039,
0.3229

26.7417, 0.1857,
0.1863

95.9453, 0.3189,
0.3334

■ 25.3283, 0.1832,
0.1795

■ 99.3746, 0.3185,
0.3386

Harmonies

Analogous

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



51.5116, 0.2358, 0.2935



51.5116, 0.2408, 0.2689



51.5116, 0.2637, 0.2610

Triad

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



51.5116, 0.2408, 0.2689



51.5116, 0.3794, 0.3215



51.5116, 0.3203, 0.3995

Complementary

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



51.5116, 0.2408, 0.2689



54.1941, 0.4109, 0.3810

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.



51.5116, 0.3604, 0.4035



51.5116, 0.2408, 0.2689



51.5116, 0.3963, 0.3556

Square

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



51.5116, 0.2408, 0.2689



51.5116, 0.3434, 0.2909



51.5116, 0.3888, 0.3859



51.5116, 0.2798, 0.3720

Rectangle

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



51.5116, 0.2408, 0.2689



51.5116, 0.2871, 0.2649



51.5116, 0.3888, 0.3859



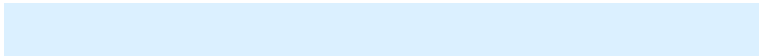
51.5116, 0.3343, 0.4036

Sweetspot

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



51.5135, 0.2408, 0.2689



84.4621, 0.2908, 0.3132



73.5984, 0.2829, 0.4118



17.6034, 0.2874, 0.3106



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.



51.5135, 0.2408, 0.2689



49.8054, 0.2271, 0.2538



31.0416, 0.2280, 0.1972



17.4978, 0.2980, 0.3186



13.9212, 0.1839, 0.1821



1.4273, 0.1895, 0.2022

Inverse Universe

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



40.2355, 0.3645, 0.2613



37.3973, 0.3804, 0.2488



80.9321, 0.3845, 0.4333



16.6411, 0.3204, 0.3156



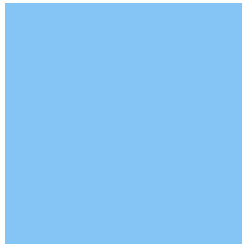
11.5047, 0.4661, 0.2341



1.0317, 0.4428, 0.2213

Previews

White Background



This preview shows how the Yxy color 51.5116, 0.2408, 0.2689 looks on a white background.

Color Contrast Check

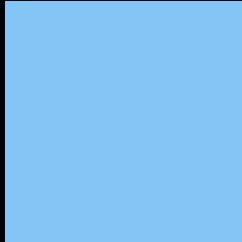
Large Text (above 18pt) WCAG AA × Fail

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 51.5116, 0.2408, 0.2689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

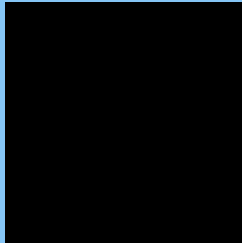
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

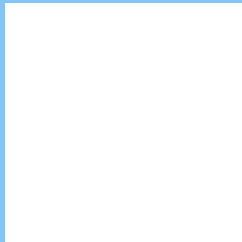
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.5116, 0.2408, 0.2689

Background



This preview shows how black text looks on a background with the Yxy color 51.5116, 0.2408, 0.2689.



This preview shows how white text looks on a background with the Yxy color 51.5116, 0.2408, 0.2689.

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

51.5116, 0.2408, 0.2689

Protanopia

51.0608, 0.2696, 0.2681

Deuteranopia

51.0633, 0.2633, 0.2574



Tritanopia

51.6630, 0.2514, 0.3076

Trichromacy



Original Color

51.5116, 0.2408, 0.2689

Protanomaly

51.1895, 0.2578, 0.2681

Deuteranomaly

50.9543, 0.2542, 0.2614

Tritanomaly

51.4992, 0.2474, 0.2924

Monochromacy



Original Color

51.5116, 0.2408, 0.2689

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.4220, 0.2817, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5116, 0.2408, 0.2689 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(133, 197, 245)` looks like.

```
.text, #text, p{  
    color:rgb(133, 197, 245)  
}
```

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(133, 197, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 197, 245) }
```

Border

The CSS property to change the border of an element to Yxy 51.5116, 0.2408, 0.2689 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(133, 197, 245) }
```

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

```
.border{ border-color:rgb(133, 197, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 197, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 197, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 197, 245);  
box-shadow:4px 4px 4px 4px rgb(133, 197,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5116, 0.2408, 0.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 197, 245) }
```

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

```
.background{ background-color: rgb(133,  
197, 245) }
```

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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