

Converting Colors

$Y_{xy}(51.1018, 0.2312, 0.2565)$

Have a look what the booklet for
Yxy(51.1018, 0.2312, 0.2565)
contains.

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Color

Yxy(50.9108, 0.2311, 0.2560)

Conversions

Conversions Part 1

Format	Color
Hex	7BC4FF
RGB	123, 196, 255
RGB Percent	48%, 77%, 100%
CMY	0.5175, 0.2314, 0.0000
CMYK	0.52, 0.23, 0.00, 0.00
HSL	207°, 100%, 74%
HSV	207°, 52%, 100%
XYZ	45.9589, 50.9108, 102.0006
YIQ	180.8990, -62.4470, 2.8730

Conversions

Conversions Part 2

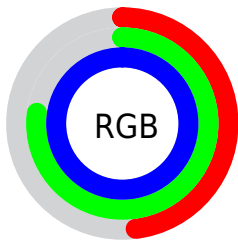
Format	Color
R _Y B	123, 170, 255
Decimal	8111359
CIE Lab	76.62, -6.80, -36.00
CIE LCh	77, 36.632, 259.304
Yxy	50.9108, 0.2311, 0.2560
Android (android.graphics.Color)	4286301439 (0xFF7BC4FF)
YUV	180.8990, 36.5318, -50.7774
Hunter-Lab	71.3518, -9.8907, -34.8114

Details

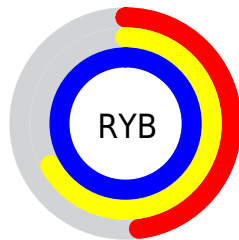
The Yxy color **50.9108, 0.2311, 0.2560** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.1504, 0.4273, 0.3898**, and the grayscale version is **45.9794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7859, 0.2707, 0.3257**, and **24.4153, 0.2112, 0.2366** is the 20% darker color. If you saturate the color by 10%, you get **44.3219, 0.2171, 0.2387**, and if you desaturate by 10%, it is **58.3838, 0.2463, 0.2725**.

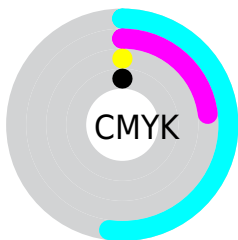
Distribution



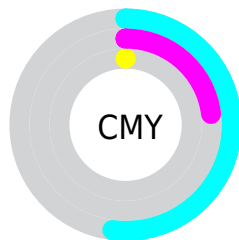
- Red (48%)
- Green (77%)
- Blue (100%)



- Red (48%)
- Yellow (67%)
- Blue (100%)



- Cyan (52%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9108, 0.2311, 0.2560 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 50.9108, 0.2311, 0.2560 by changing the saturation by 10% instead.

■ 50.9108, 0.2311,
0.2560

■ 50.9108, 0.2311,
0.2560

■ 390.2171, 0.2698,
0.2913

■ 36.1376, 0.2222,
0.2477

■ 91.5229, 0.2446,
0.2685

■ 24.5405, 0.2112,
0.2373

■ 118.1306, 0.2498,
0.2733

■ 15.7350, 0.1973,
0.2241

■ 149.4520, 0.2543,
0.2774

■ 9.3369, 0.1795,
0.2069

■ 185.8714, 0.2582,
0.2809

■ 4.9616, 0.1558,
0.1835

■ 227.7732, 0.2617,
0.2840

■ 2.2247, 0.1237,
0.1510

■ 275.5418, 0.2647,

■ 0.7334, 0.0758,

0.2867

0.1047

329.5617, 0.2674,
0.2892

0.0000, 0.0000,
0.0000

50.9108, 0.2311,
0.2560

50.9108, 0.2311,
0.2560

44.3219, 0.2171,
0.2387

58.3838, 0.2463,
0.2725

38.5640, 0.2047,
0.2211

66.7782, 0.2622,
0.2880

33.5852, 0.1944,
0.2035

76.1357, 0.2783,
0.3023

29.3224, 0.1864,
0.1863

86.4931, 0.2944,
0.3154

26.2709, 0.1813,
0.1728

97.8851, 0.3100,
0.3271

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



50.9108, 0.2224, 0.2816



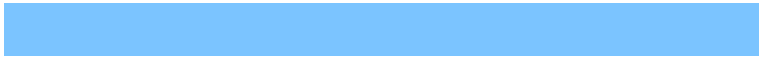
50.9108, 0.2311, 0.2560



50.9108, 0.2599, 0.2500

Triad

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



50.9108, 0.2311, 0.2560



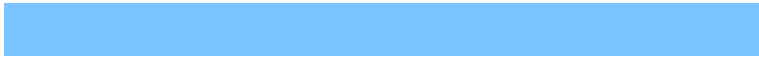
50.9108, 0.3961, 0.3248



50.9108, 0.3144, 0.4106

Complementary

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



50.9108, 0.2311, 0.2560



56.1504, 0.4273, 0.3898

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.



50.9108, 0.3625, 0.4184



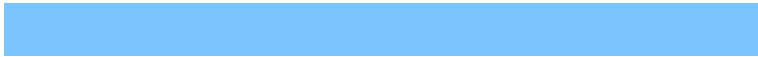
50.9108, 0.2311, 0.2560



50.9108, 0.4122, 0.3643

Square

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



50.9108, 0.2311, 0.2560



50.9108, 0.3554, 0.2886



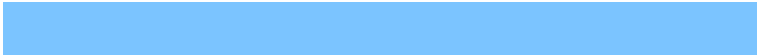
50.9108, 0.3990, 0.3991



50.9108, 0.2680, 0.3743

Rectangle

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



50.9108, 0.2311, 0.2560



50.9108, 0.2885, 0.2562



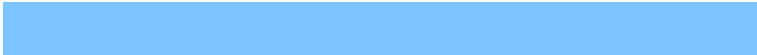
50.9108, 0.3990, 0.3991



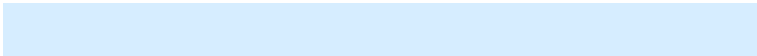
50.9108, 0.3309, 0.4167

Sweetspot

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



50.9127, 0.2311, 0.2560



81.9770, 0.2876, 0.3100



79.0289, 0.2791, 0.4226



17.0913, 0.2843, 0.3073



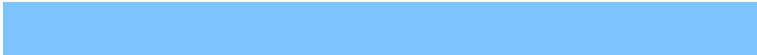
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.9127, 0.2311, 0.2560



44.1735, 0.2167, 0.2383



27.8877, 0.2146, 0.1738



19.0435, 0.2979, 0.3181



14.0313, 0.1821, 0.1755



1.5844, 0.1873, 0.1944

Inverse Universe

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



39.4163, 0.3773, 0.2552



33.2654, 0.3969, 0.2436



88.7156, 0.3924, 0.4474



18.1552, 0.3207, 0.3159



12.1444, 0.4740, 0.2385



1.2045, 0.4517, 0.2262

Previews

White Background



This preview shows how the Yxy color 50.9108, 0.2311, 0.2560 looks on a white background.

Color Contrast Check

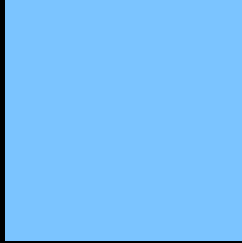
Large Text (above 18pt) WCAG AA × Fail

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 50.9108, 0.2311, 0.2560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

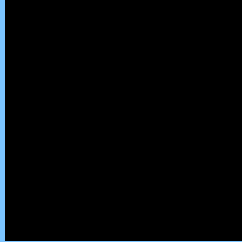
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

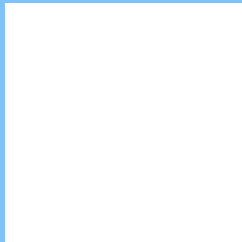
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9108, 0.2311, 0.2560

Background



This preview shows how black text looks on a background with the Yxy color 50.9108, 0.2311, 0.2560.



This preview shows how white text looks on a background with the Yxy color 50.9108, 0.2311, 0.2560.

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

50.9108, 0.2311, 0.2560

Protanopia

50.4911, 0.2600, 0.2567

Deuteranopia

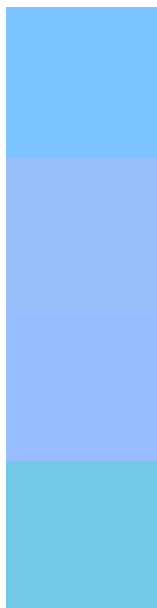
50.6626, 0.2536, 0.2483



Tritanopia

51.2059, 0.2442, 0.3072

Trichromacy



Original Color

50.9108, 0.2311, 0.2560

Protanomaly

50.5991, 0.2484, 0.2566

Deuteranomaly

50.7223, 0.2447, 0.2512

Tritanomaly

50.7796, 0.2389, 0.2869

Monochromacy



Original Color

50.9108, 0.2311, 0.2560

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.1455, 0.2766, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9108, 0.2311, 0.2560 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(123, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 196, 255)  
}
```

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(123, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.9108, 0.2311, 0.2560 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(123, 196, 255) }
```

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

```
.border{ border-color:rgb(123, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9108, 0.2311, 0.2560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 196, 255) }
```

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

```
.background{ background-color: rgb(123,  
196, 255) }
```

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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