

Converting Colors

$Y_{xy}(50.7898, 0.2329, 0.2550)$

Have a look what the booklet for
Yxy(50.7898, 0.2329, 0.2550)
contains.

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Color

Yxy(50.7622, 0.2327, 0.2550)

Conversions

Conversions Part 1

Format	Color
Hex	7FC3FF
RGB	127, 195, 255
RGB Percent	50%, 76%, 100%
CMY	0.5018, 0.2353, 0.0000
CMYK	0.50, 0.24, 0.00, 0.00
HSL	208°, 100%, 75%
HSV	208°, 50%, 100%
XYZ	46.3230, 50.7622, 101.9823
YIQ	181.5080, -59.7880, 4.2440

Conversions

Conversions Part 2

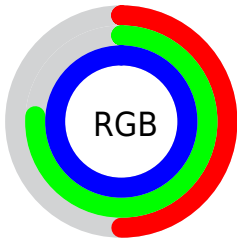
Format	Color
RYB	127, 171, 255
Decimal	8373247
CIELab	76.53, -5.38, -36.14
CIELCh	77, 36.537, 261.538
Yxy	50.7622, 0.2327, 0.2550
Android (android.graphics.Color)	4286563327 (0xFF7FC3FF)
YUV	181.5080, 36.2316, -47.8035
Hunter-Lab	71.2476, -8.6281, -34.9931

Details

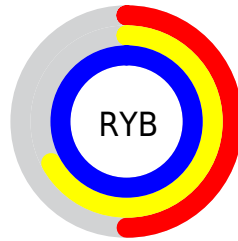
The Yxy color **50.7622, 0.2327, 0.2550** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.3488, 0.4211, 0.3910**, and the grayscale version is **46.3253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6535, 0.2727, 0.3246**, and **24.5815, 0.2132, 0.2370** is the 20% darker color. If you saturate the color by 10%, you get **43.9004, 0.2182, 0.2370**, and if you desaturate by 10%, it is **58.5494, 0.2483, 0.2723**.

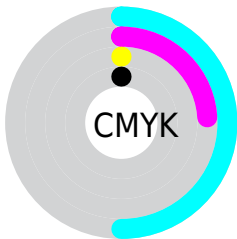
Distribution



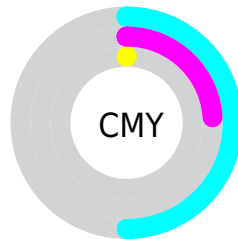
- Red (50%)
- Green (76%)
- Blue (100%)



- Red (50%)
- Yellow (67%)
- Blue (100%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7622, 0.2327, 0.2550 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 50.7622, 0.2327, 0.2550 by changing the saturation by 10% instead.

■ 50.7622, 0.2327,
0.2550

■ 50.7622, 0.2327,
0.2550

■ 389.6392, 0.2707,
0.2907

■ 36.0194, 0.2239,
0.2466

■ 91.3032, 0.2460,
0.2676

■ 24.4492, 0.2131,
0.2362

■ 117.8701, 0.2511,
0.2725

■ 15.6672, 0.1994,
0.2229

■ 149.1472, 0.2555,
0.2766

■ 9.2889, 0.1818,
0.2055

■ 185.5189, 0.2594,
0.2802

■ 4.9301, 0.1583,
0.1821

■ 227.3696, 0.2627,
0.2833

■ 2.2063, 0.1264,
0.1496

■ 275.0836, 0.2657,

■ 0.7234, 0.0793,

0.2861

0.1031

329.0453, 0.2683,
0.2885

0.0000, 0.0000,
0.0000

50.7622, 0.2327,
0.2550

50.7622, 0.2327,
0.2550

43.9004, 0.2182,
0.2370

58.5494, 0.2483,
0.2723

37.9145, 0.2052,
0.2184

67.3044, 0.2645,
0.2884

32.7509, 0.1942,
0.1999

77.0682, 0.2808,
0.3032

28.3468, 0.1856,
0.1819

87.8785, 0.2969,
0.3167

24.6684, 0.1792,
0.1651

99.7710, 0.3124,
0.3288

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



50.7622, 0.2225, 0.2791



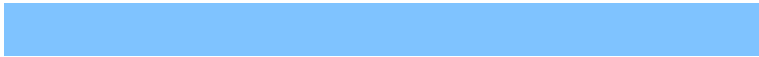
50.7622, 0.2327, 0.2550



50.7622, 0.2629, 0.2504

Triad

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



50.7622, 0.2327, 0.2550



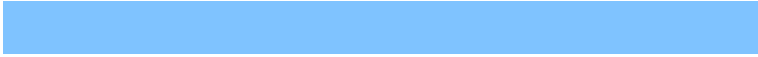
50.7622, 0.3981, 0.3277



50.7622, 0.3107, 0.4087

Complementary

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



50.7622, 0.2327, 0.2550



58.3488, 0.4211, 0.3910

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.



50.7622, 0.3591, 0.4187



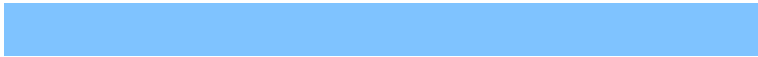
50.7622, 0.2327, 0.2550



50.7622, 0.4120, 0.3671

Square

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



50.7622, 0.2327, 0.2550



50.7622, 0.3589, 0.2911



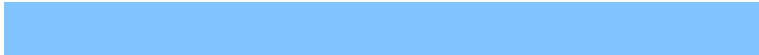
50.7622, 0.3968, 0.4011



50.7622, 0.2650, 0.3708

Rectangle

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



50.7622, 0.2327, 0.2550



50.7622, 0.2920, 0.2574



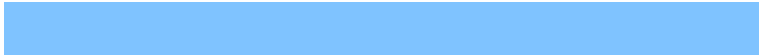
50.7622, 0.3968, 0.4011



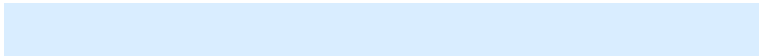
50.7622, 0.3272, 0.4155

Sweetspot

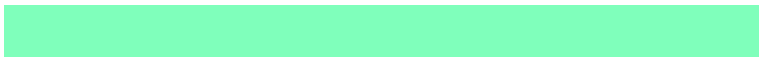
The Sweet Spot groups the original color and five complimentary colors.



50.7626, 0.2327, 0.2550



82.5392, 0.2892, 0.3104



79.6116, 0.2777, 0.4136



17.1832, 0.2858, 0.3075



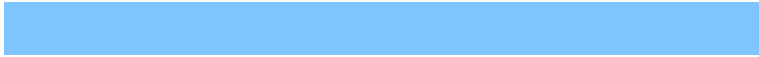
0.0000, 0.0000, 0.0000



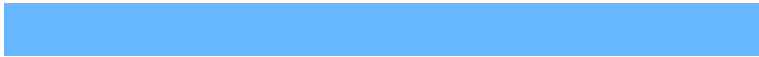
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7626, 0.2327, 0.2550



44.0185, 0.2184, 0.2373



28.0468, 0.2169, 0.1740



18.9751, 0.2979, 0.3176



13.1917, 0.1800, 0.1679



1.5033, 0.1854, 0.1876

Inverse Universe

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



40.3867, 0.3776, 0.2599



34.1924, 0.3971, 0.2488



91.6216, 0.3883, 0.4476



18.1483, 0.3211, 0.3164



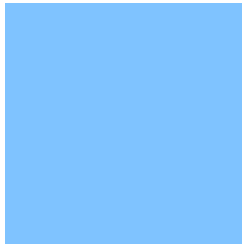
12.0597, 0.4832, 0.2436



1.1963, 0.4596, 0.2305

Previews

White Background



This preview shows how the Yxy color 50.7622, 0.2327, 0.2550 looks on a white background.

Color Contrast Check

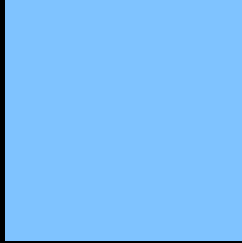
Large Text (above 18pt) WCAG AA × Fail

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 50.7622, 0.2327, 0.2550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

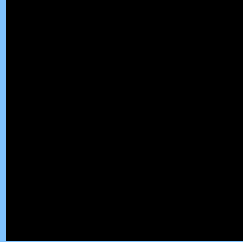
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

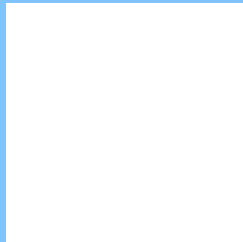
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7622, 0.2327, 0.2550

Background



This preview shows how black text looks on a background with the Yxy color 50.7622, 0.2327, 0.2550.



This preview shows how white text looks on a background with the Yxy color 50.7622, 0.2327, 0.2550.

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

50.7622, 0.2327, 0.2550

Protanopia

50.5530, 0.2595, 0.2557

Deuteranopia

50.6626, 0.2536, 0.2483



Tritanopia

50.9479, 0.2463, 0.3073

Trichromacy



Original Color

50.7622, 0.2327, 0.2550

Protanomaly

50.3288, 0.2483, 0.2544

Deuteranomaly

50.3875, 0.2451, 0.2501

Tritanomaly

50.5383, 0.2411, 0.2870

Monochromacy



Original Color

50.7622, 0.2327, 0.2550

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.8255, 0.2775, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7622, 0.2327, 0.2550 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(127, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 195, 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(127, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 195, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.7622, 0.2327, 0.2550 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(127, 195, 255) }
```

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

```
.border{ border-color:rgb(127, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 195,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7622, 0.2327, 0.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 195, 255) }
```

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

```
.background{ background-color: rgb(127,  
195, 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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