

Converting Colors

$Y_{xy}(52.0308, 0.2521, 0.2607)$

Have a look what the booklet for
Yxy(52.0308, 0.2521, 0.2607)
contains.

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Color

Yxy(51.9098, 0.2523, 0.2607)

Conversions

Conversions Part 1

Format	Color
Hex	9FC0F9
RGB	159, 192, 249
RGB Percent	62%, 75%, 98%
CMY	0.3766, 0.2470, 0.0236
CMYK	0.36, 0.23, 0.00, 0.02
HSL	218°, 88%, 80%
HSV	218°, 36%, 98%
XYZ	50.2372, 51.9098, 96.9700
YIQ	188.6310, -37.9650, 10.7310

Conversions

Conversions Part 2

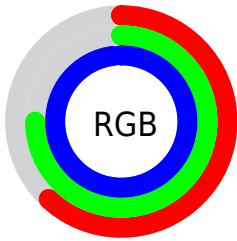
Format	Color
R _Y B	159, 183, 249
Decimal	10469625
CIE _{Lab}	77.23, 2.42, -31.69
CIE _{LCh}	77, 31.779, 274.376
Y _{xy}	51.9098, 0.2523, 0.2607
Android (android.graphics.Color)	4288659705 (0xFF9FC0F9)
Y _{UV}	188.6310, 29.7619, -25.9864
Hunter-Lab	72.0485, -1.6221, -29.3645

Details

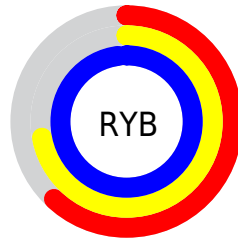
The Yxy color **51.9098, 0.2523, 0.2607** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.7072, 0.3786, 0.3887**, and the grayscale version is **50.5078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9537, 0.2891, 0.3218**, and **25.2141, 0.2372, 0.2445** is the 20% darker color. If you saturate the color by 10%, you get **43.0653, 0.2346, 0.2376**, and if you desaturate by 10%, it is **62.0115, 0.2699, 0.2822**.

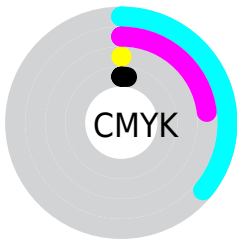
Distribution



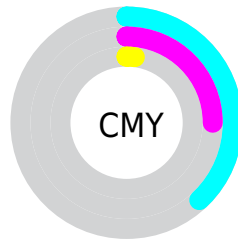
- Red (62%)
- Green (75%)
- Blue (98%)



- Red (62%)
- Yellow (72%)
- Blue (98%)



- Cyan (36%)
- Magenta (23%)
- Yellow (0%)
- Black (2%)





- Cyan (38%)
- Magenta (25%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9098, 0.2523, 0.2607 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 51.9098, 0.2523, 0.2607 by changing the saturation by 10% instead.


 51.9098, 0.2523,
0.2607


 51.9098, 0.2523,
0.2607


394.0883, 0.2813,
0.2933

 36.9332, 0.2455,
0.2531


 92.9982, 0.2625,
0.2722

 25.1558, 0.2370,
0.2437


 119.8788, 0.2665,
0.2766

 16.1931, 0.2261,
0.2316


151.4961, 0.2699,
0.2803

 9.6609, 0.2118,
0.2159

188.2346, 0.2728,
0.2836

 5.1747, 0.1922,
0.1946

230.4787, 0.2753,
0.2865

 2.3501, 0.1644,
0.1645

278.6128, 0.2776,

 0.8001, 0.1234,

0.2890

0.1204

333.0211, 0.2796,
0.2913

0.0000, 0.0000,
0.0000

51.9098, 0.2523,
0.2607

51.9098, 0.2523,
0.2607

43.0653, 0.2346,
0.2376

62.0115, 0.2699,
0.2822

35.4178, 0.2173,
0.2133

73.4149, 0.2870,
0.3017

28.9107, 0.2013,
0.1886

86.1695, 0.3033,
0.3192

23.4792, 0.1872,
0.1642

99.6178, 0.3162,
0.3348

19.0508, 0.1759,
0.1413

■ 15.5397, 0.1675,
0.1209

■ 14.3929, 0.1649,
0.1137

Harmonies

Analogous

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



51.9098, 0.2354, 0.2749



51.9098, 0.2523, 0.2607



51.9098, 0.2854, 0.2634

Triad

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



51.9098, 0.2523, 0.2607



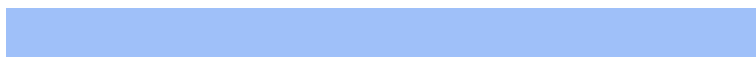
51.9098, 0.3945, 0.3434



51.9098, 0.2935, 0.3855

Complementary

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



51.9098, 0.2523, 0.2607



71.7072, 0.3786, 0.3887

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.



51.9098, 0.3360, 0.4054



51.9098, 0.2523, 0.2607



51.9098, 0.3959, 0.3766

Square

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



51.9098, 0.2523, 0.2607



51.9098, 0.3691, 0.3092



51.9098, 0.3738, 0.4005



51.9098, 0.2578, 0.3470

Rectangle

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



51.9098, 0.2523, 0.2607



51.9098, 0.3134, 0.2735



51.9098, 0.3738, 0.4005



51.9098, 0.3074, 0.3948

Sweetspot

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



51.9118, 0.2523, 0.2607



84.2562, 0.2955, 0.3109



79.9801, 0.2787, 0.3694



17.6453, 0.2933, 0.3085



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.



51.9118, 0.2523, 0.2607



48.2274, 0.2400, 0.2449



40.1088, 0.2539, 0.2216



17.6867, 0.2979, 0.3136



7.9535, 0.1658, 0.1167



0.9312, 0.1723, 0.1403

Inverse Universe

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



48.7253, 0.3678, 0.2939



45.1467, 0.3833, 0.2873



88.4944, 0.3599, 0.4216



17.3306, 0.3236, 0.3203



11.2138, 0.5514, 0.2811



1.0582, 0.5187, 0.2631

Previews

White Background



This preview shows how the Yxy color 51.9098, 0.2523, 0.2607 looks on a white background.

Color Contrast Check

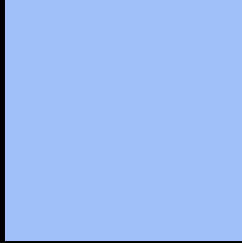
Large Text (above 18pt) WCAG AA × Fail

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 51.9098, 0.2523, 0.2607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

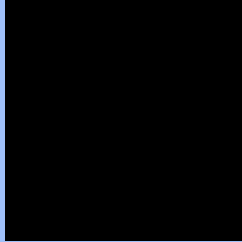
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

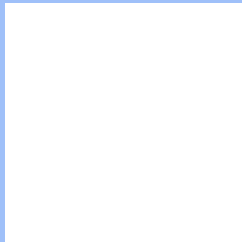
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9098, 0.2523, 0.2607

Background



This preview shows how black text looks on a background with the Yxy color 51.9098, 0.2523, 0.2607.



This preview shows how white text looks on a background with the Yxy color 51.9098, 0.2523, 0.2607.

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

51.9098, 0.2523, 0.2607

Protanopia

51.7342, 0.2635, 0.2607

Deuteranopia

51.6729, 0.2617, 0.2555



Tritanopia

51.8225, 0.2682, 0.3082

Trichromacy



Original Color

51.9098, 0.2523, 0.2607

Protanomaly

51.5456, 0.2592, 0.2602

Deuteranomaly

51.8434, 0.2581, 0.2572

Tritanomaly

51.8959, 0.2621, 0.2899

Monochromacy



Original Color

51.9098, 0.2523, 0.2607

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.9950, 0.2881, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9098, 0.2523, 0.2607 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(159, 192, 249)` looks like.

```
.text, #text, p{  
    color:rgb(159, 192, 249)  
}
```

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(159, 192, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 192, 249) }
```

Border

The CSS property to change the border of an element to Yxy 51.9098, 0.2523, 0.2607 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(159, 192, 249) }
```

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

```
.border{ border-color:rgb(159, 192, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 192, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 192, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 192, 249);  
box-shadow:4px 4px 4px 4px rgb(159, 192,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9098, 0.2523, 0.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 192, 249) }
```

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

```
.background{ background-color: rgb(159,  
192, 249) }
```

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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