

Converting Colors

$Y_{xy}(53.2240, 0.2501, 0.2610)$

Have a look what the booklet for
Yxy(53.2240, 0.2501, 0.2610)
contains.

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Color

Yxy(53.2266, 0.2501, 0.2610)

Conversions

Conversions Part 1

Format	Color
Hex	9DC3FC
RGB	157, 195, 252
RGB Percent	62%, 76%, 99%
CMY	0.3840, 0.2354, 0.0117
CMYK	0.38, 0.23, 0.00, 0.01
HSL	216°, 94%, 80%
HSV	216°, 38%, 99%
XYZ	51.0037, 53.2266, 99.7030
YIQ	190.1360, -40.9450, 9.6710

Conversions

Conversions Part 2

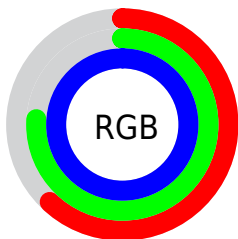
Format	Color
R _Y B	157, 184, 252
Decimal	10339324
CIE Lab	78.01, 1.10, -32.13
CIE LCh	78, 32.149, 271.962
Yxy	53.2266, 0.2501, 0.2610
Android (android.graphics.Color)	4288529404 (0xFF9DC3FC)
YUV	190.1360, 30.4990, -29.0603
Hunter-Lab	72.9566, -2.8851, -29.9566

Details

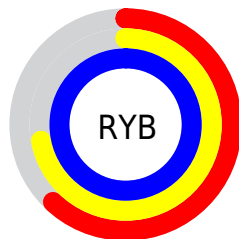
The Yxy color **53.2266, 0.2501, 0.2610** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.2893, 0.3830, 0.3883**, and the grayscale version is **51.4225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5105, 0.2881, 0.3248**, and **26.1109, 0.2348, 0.2453** is the 20% darker color. If you saturate the color by 10%, you get **44.5046, 0.2328, 0.2389**, and if you desaturate by 10%, it is **63.1635, 0.2675, 0.2816**.

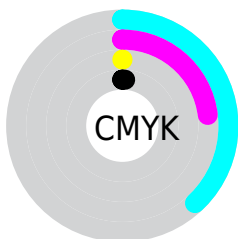
Distribution



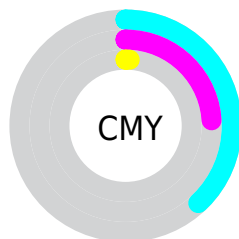
- Red (62%)
- Green (76%)
- Blue (99%)



- Red (62%)
- Yellow (72%)
- Blue (99%)



- Cyan (38%)
- Magenta (23%)
- Yellow (0%)
- Black (1%)



- Cyan (38%)
- Magenta (24%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2266, 0.2501, 0.2610 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 53.2266, 0.2501, 0.2610 by changing the saturation by 10% instead.

■ 53.2266, 0.2501,
0.2610

■ 53.2266, 0.2501,
0.2610

■ 399.1539, 0.2800,
0.2934

■ 37.9837, 0.2431,
0.2535

■ 94.9377, 0.2606,
0.2724

■ 25.9700, 0.2345,
0.2441

■ 122.1747, 0.2647,
0.2767

■ 16.8012, 0.2234,
0.2323

■ 154.1786, 0.2681,
0.2805

■ 10.0929, 0.2090,
0.2168

■ 191.3336, 0.2711,
0.2838

■ 5.4606, 0.1894,
0.1958

■ 234.0243, 0.2738,
0.2866

■ 2.5200, 0.1617,
0.1664

■ 282.6349, 0.2761,

■ 0.8866, 0.1214,

0.2891

0.1237

337.5500, 0.2782,
0.2914

0.0000, 0.0000,
0.0000

53.2266, 0.2501,
0.2610

53.2266, 0.2501,
0.2610

44.5046, 0.2328,
0.2389

63.1635, 0.2675,
0.2816

36.9387, 0.2161,
0.2157

74.3583, 0.2845,
0.3004

30.4735, 0.2007,
0.1921

86.8591, 0.3008,
0.3173

25.0457, 0.1874,
0.1688

99.8100, 0.3144,
0.3318

20.5833, 0.1768,
0.1469

■ 16.9971, 0.1690,
0.1270

■ 16.2646, 0.1674,
0.1227

Harmonies

Analogous

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



53.2266, 0.2346, 0.2766



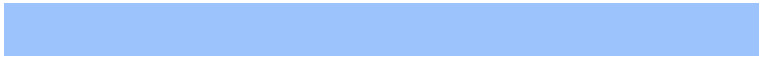
53.2266, 0.2501, 0.2610



53.2266, 0.2821, 0.2624

Triad

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



53.2266, 0.2501, 0.2610



53.2266, 0.3936, 0.3406



53.2266, 0.2967, 0.3882

Complementary

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



53.2266, 0.2501, 0.2610



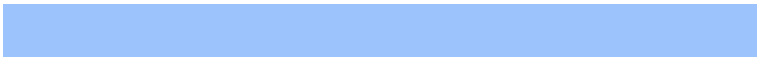
71.2893, 0.3830, 0.3883

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.



53.2266, 0.3394, 0.4062



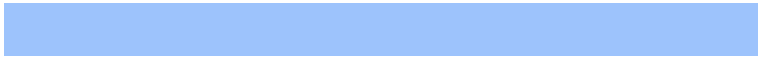
53.2266, 0.2501, 0.2610



53.2266, 0.3970, 0.3742

Square

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



53.2266, 0.2501, 0.2610



53.2266, 0.3664, 0.3066



53.2266, 0.3765, 0.3994



53.2266, 0.2600, 0.3505

Rectangle

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



53.2266, 0.2501, 0.2610



53.2266, 0.3099, 0.2718



53.2266, 0.3765, 0.3994



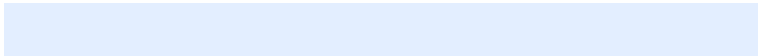
53.2266, 0.3108, 0.3969

Sweetspot

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



53.2286, 0.2501, 0.2610



84.7788, 0.2955, 0.3119



81.6709, 0.2783, 0.3733



17.7694, 0.2933, 0.3096



0.0000, 0.0000, 0.0000



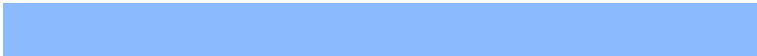
21.4041, 0.3127, 0.3290

Same Dimension

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



53.2286, 0.2501, 0.2610



47.9624, 0.2373, 0.2449



39.3372, 0.2498, 0.2160



17.7803, 0.2979, 0.3144



8.7395, 0.1683, 0.1258



1.0104, 0.1748, 0.1493

Inverse Universe

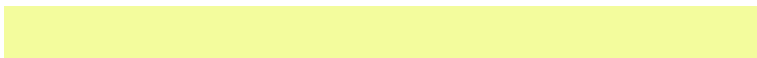
The Inverse Universe completely reimagines the original color for something new.



48.7786, 0.3681, 0.2893



43.6372, 0.3842, 0.2816



91.0465, 0.3629, 0.4251



17.3400, 0.3231, 0.3196



11.2932, 0.5385, 0.2740



1.0662, 0.5069, 0.2566

Previews

White Background



This preview shows how the Yxy color 53.2266, 0.2501, 0.2610 looks on a white background.

Color Contrast Check

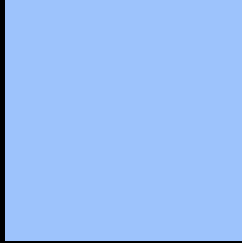
Large Text (above 18pt) WCAG AA × Fail

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 53.2266, 0.2501, 0.2610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

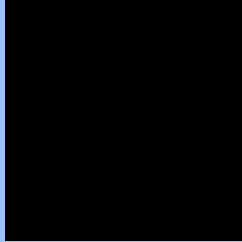
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

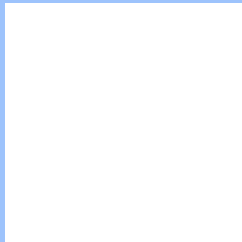
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.2266, 0.2501, 0.2610

Background



This preview shows how black text looks on a background with the Yxy color 53.2266, 0.2501, 0.2610.



This preview shows how white text looks on a background with the Yxy color 53.2266, 0.2501, 0.2610.

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

53.2266, 0.2501, 0.2610

Protanopia

52.9513, 0.2639, 0.2613

Deuteranopia

52.9520, 0.2616, 0.2552



Tritanopia

53.1726, 0.2656, 0.3083

Trichromacy



Original Color

53.2266, 0.2501, 0.2610

Protanomaly

53.0849, 0.2591, 0.2619

Deuteranomaly

52.8995, 0.2567, 0.2566

Tritanomaly

53.2354, 0.2597, 0.2901

Monochromacy



Original Color

53.2266, 0.2501, 0.2610

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.9683, 0.2869, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2266, 0.2501, 0.2610 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(157, 195, 252)` looks like.

```
.text, #text, p{  
    color:rgb(157, 195, 252)  
}
```

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(157, 195, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 195, 252) }
```

Border

The CSS property to change the border of an element to Yxy 53.2266, 0.2501, 0.2610 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(157, 195, 252) }
```

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

```
.border{ border-color:rgb(157, 195, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 195, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 195, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 195, 252);  
box-shadow:4px 4px 4px 4px rgb(157, 195,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2266, 0.2501, 0.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 195, 252) }
```

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

```
.background{ background-color: rgb(157,  
195, 252) }
```

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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