

Converting Colors

$Yxy(53.5768, 0.2465, 0.2591)$

Have a look what the booklet for
Yxy(53.5768, 0.2465, 0.2591)
contains.

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Color

Yxy(53.4722, 0.2464, 0.2588)

Conversions

Conversions Part 1

Format	Color
Hex	99C4FF
RGB	153, 196, 255
RGB Percent	60%, 77%, 100%
CMY	0.4004, 0.2313, 0.0001
CMYK	0.40, 0.23, 0.00, 0.00
HSL	215°, 100%, 80%
HSV	215°, 40%, 100%
XYZ	50.9102, 53.4722, 102.2336
YIQ	189.8690, -44.5670, 9.2330

Conversions

Conversions Part 2

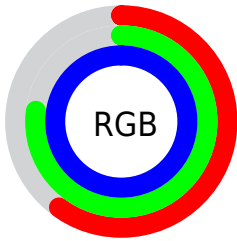
Format	Color
RYB	153, 183, 255
Decimal	10077439
CIELab	78.15, 0.23, -33.51
CIElCh	78, 33.511, 270.393
Yxy	53.4722, 0.2464, 0.2588
Android (android.graphics.Color)	4288267519 (0xFF99C4FF)
YUV	189.8690, 32.1096, -32.3341
Hunter-Lab	73.1247, -3.6947, -31.7044

Details

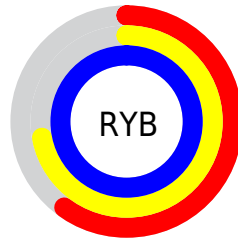
The Yxy color **53.4722, 0.2464, 0.2588** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.5697, 0.3893, 0.3898**, and the grayscale version is **51.2346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5424, 0.2859, 0.3258**, and **25.9646, 0.2298, 0.2407** is the 20% darker color. If you saturate the color by 10%, you get **44.9327, 0.2294, 0.2373**, and if you desaturate by 10%, it is **63.1978, 0.2636, 0.2789**.

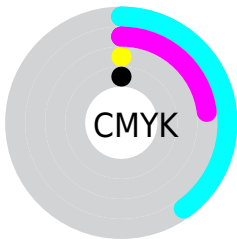
Distribution



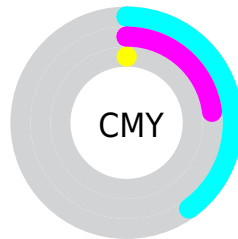
- Red (60%)
- Green (77%)
- Blue (100%)



- Red (60%)
- Yellow (72%)
- Blue (100%)



- Cyan (40%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4722, 0.2464, 0.2588 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 53.4722, 0.2464, 0.2588 by changing the saturation by 10% instead.

■ 53.4722, 0.2464,
0.2588

■ 53.4722, 0.2464,
0.2588

■ 400.0941, 0.2779,
0.2922

■ 38.1799, 0.2391,
0.2511

■ 95.2988, 0.2575,
0.2705

■ 26.1223, 0.2300,
0.2415

■ 122.6019, 0.2617,
0.2750

■ 16.9152, 0.2185,
0.2293

■ 154.6774, 0.2654,
0.2789

■ 10.1740, 0.2034,
0.2134

■ 191.9096, 0.2686,
0.2823

■ 5.5145, 0.1832,
0.1921

■ 234.6830, 0.2714,
0.2852

■ 2.5522, 0.1550,
0.1623

■ 283.3820, 0.2738,

■ 0.9027, 0.1145,

0.2878

0.1197

338.3909, 0.2760,
0.2901

0.0000, 0.0000,
0.0000

53.4722, 0.2464,
0.2588

53.4722, 0.2464,
0.2588

44.9327, 0.2294,
0.2373

63.1978, 0.2636,
0.2789

37.5205, 0.2133,
0.2148

74.1525, 0.2806,
0.2974

31.1800, 0.1987,
0.1920

86.3842, 0.2971,
0.3141

25.8470, 0.1863,
0.1697

99.9362, 0.3127,
0.3290

21.4479, 0.1765,
0.1486

99.9992, 0.3127,
0.3290

■ 17.8864, 0.1693,
0.1295

Harmonies

Analogous

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



53.4722, 0.2314, 0.2758



53.4722, 0.2464, 0.2588



53.4722, 0.2788, 0.2594

Triad

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



53.4722, 0.2464, 0.2588



53.4722, 0.3960, 0.3389



53.4722, 0.2982, 0.3924

Complementary

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



53.4722, 0.2464, 0.2588



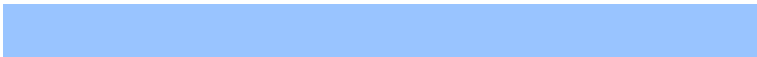
70.5697, 0.3893, 0.3898

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.



53.4722, 0.3426, 0.4097



53.4722, 0.2464, 0.2588



53.4722, 0.4009, 0.3741

Square

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



53.4722, 0.2464, 0.2588



53.4722, 0.3665, 0.3039



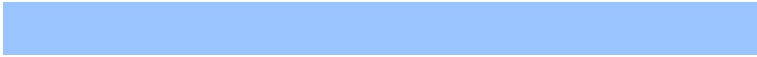
53.4722, 0.3806, 0.4011



53.4722, 0.2596, 0.3537

Rectangle

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



53.4722, 0.2464, 0.2588



53.4722, 0.3073, 0.2687



53.4722, 0.3806, 0.4011



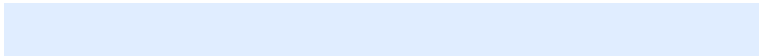
53.4722, 0.3130, 0.4011

Sweetspot

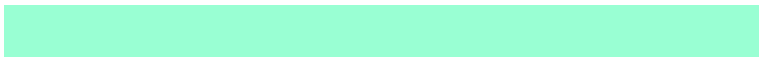
The Sweet Spot groups the original color and five complimentary colors.



53.4742, 0.2464, 0.2588



83.8896, 0.2939, 0.3109



82.9646, 0.2782, 0.3808



17.6051, 0.2918, 0.3088



0.0000, 0.0000, 0.0000



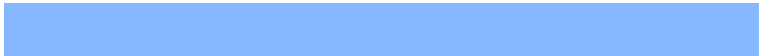
21.4041, 0.3127, 0.3290

Same Dimension

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



53.4742, 0.2464, 0.2588



46.5843, 0.2328, 0.2418



37.4117, 0.2426, 0.2069



18.6391, 0.2979, 0.3149



9.6275, 0.1702, 0.1326



1.1481, 0.1763, 0.1547

Inverse Universe

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



47.9936, 0.3708, 0.2844



41.3995, 0.3881, 0.2758



93.7977, 0.3682, 0.4302



18.1144, 0.3228, 0.3190



11.6999, 0.5291, 0.2689



1.1604, 0.4999, 0.2527

Previews

White Background



This preview shows how the Yxy color 53.4722, 0.2464, 0.2588 looks on a white background.

Color Contrast Check

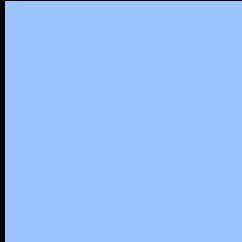
Large Text (above 18pt) WCAG AA × Fail

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 53.4722, 0.2464, 0.2588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

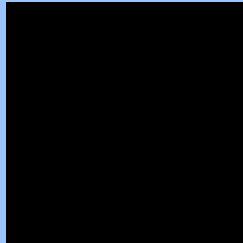
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

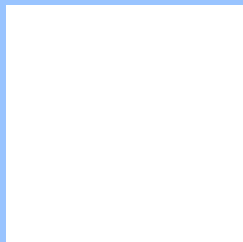
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.4722, 0.2464, 0.2588

Background



This preview shows how black text looks on a background with the Yxy color 53.4722, 0.2464, 0.2588.



This preview shows how white text looks on a background with the Yxy color 53.4722, 0.2464, 0.2588.

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

53.4722, 0.2464, 0.2588

Protanopia

53.1391, 0.2622, 0.2582

Deuteranopia

53.3940, 0.2599, 0.2542



Tritanopia

53.7556, 0.2617, 0.3083

Trichromacy



Original Color

53.4722, 0.2464, 0.2588

Protanomaly

53.0524, 0.2562, 0.2586

Deuteranomaly

53.2441, 0.2546, 0.2555

Tritanomaly

53.3378, 0.2558, 0.2887

Monochromacy



Original Color

53.4722, 0.2464, 0.2588

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.9014, 0.2855, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4722, 0.2464, 0.2588 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(153, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.4722, 0.2464, 0.2588 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(153, 196, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4722, 0.2464, 0.2588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 196, 255) }
```

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

```
.background{ background-color: rgb(153,  
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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