

Converting Colors

$Yxy(49.9133, 0.2533, 0.2582)$

Have a look what the booklet for
Yxy(49.9133, 0.2533, 0.2582)
contains.

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Color

Yxy(49.9912, 0.2532, 0.2588)

Conversions

Conversions Part 1

Format	Color
Hex	9FBCF6
RGB	159, 188, 246
RGB Percent	62%, 74%, 96%
CMY	0.3766, 0.2627, 0.0353
CMYK	0.35, 0.24, 0.00, 0.04
HSL	220°, 83%, 79%
HSV	220°, 35%, 96%
XYZ	48.9095, 49.9912, 94.2647
YIQ	185.9410, -35.9020, 11.8900

Conversions

Conversions Part 2

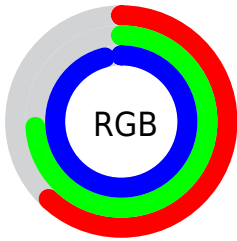
Format	Color
R _Y B	159, 181, 246
Decimal	10468598
CIE Lab	76.06, 3.84, -31.89
CIE LCh	76, 32.116, 276.875
Yxy	49.9912, 0.2532, 0.2588
Android (android.graphics.Color)	4288658678 (0xFF9FBCF6)
YUV	185.9410, 29.6091, -23.6273
Hunter-Lab	70.7045, -0.2563, -29.5536

Details

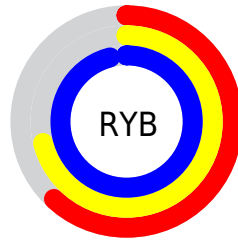
The Yxy color **49.9912, 0.2532, 0.2588** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.6948, 0.3759, 0.3902**, and the grayscale version is **48.9113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5203, 0.2890, 0.3176**, and **23.9451, 0.2379, 0.2418** is the 20% darker color. If you saturate the color by 10%, you get **41.1144, 0.2351, 0.2346**, and if you desaturate by 10%, it is **60.1674, 0.2711, 0.2813**.

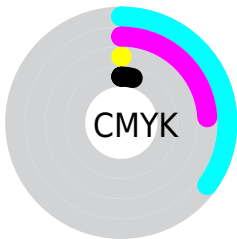
Distribution



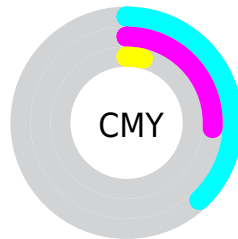
- Red (62%)
- Green (74%)
- Blue (96%)



- Red (62%)
- Yellow (71%)
- Blue (96%)



- Cyan (35%)
- Magenta (24%)
- Yellow (0%)
- Black (4%)



- Cyan (38%)
- Magenta (26%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9912, 0.2532, 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 49.9912, 0.2532, 0.2588 by changing the saturation by 10% instead.


 49.9912, 0.2532,
0.2588


 49.9912, 0.2532,
0.2588


386.6315, 0.2820,
0.2924

 35.4064, 0.2464,
0.2509


 90.1618, 0.2634,
0.2706

 23.9761, 0.2378,
0.2411


 116.5165, 0.2673,
0.2752

 15.3159, 0.2269,
0.2287


147.5632, 0.2707,
0.2791

 9.0414, 0.2123,
0.2123

183.6863, 0.2736,
0.2825

 4.7682, 0.1924,
0.1901

225.2704, 0.2761,
0.2854

 2.1119, 0.1638,
0.1587

272.6996, 0.2783,

 0.6713, 0.1208,

0.2880

0.1108

326.3586, 0.2803,
0.2903

0.0000, 0.0000,
0.0000

49.9912, 0.2532,
0.2588

49.9912, 0.2532,
0.2588

41.1144, 0.2351,
0.2346

60.1674, 0.2711,
0.2813

33.4750, 0.2174,
0.2091

71.6899, 0.2883,
0.3017

27.0139, 0.2008,
0.1832

84.6100, 0.3045,
0.3200

21.6643, 0.1862,
0.1579

98.5247, 0.3180,
0.3363

17.3510, 0.1743,
0.1343

99.4342, 0.3179,
0.3376

■ 13.9865, 0.1656,
0.1135

■ 12.7068, 0.1625,
0.1050

Harmonies

Analogous

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



49.9912, 0.2345, 0.2718



49.9912, 0.2532, 0.2588



49.9912, 0.2881, 0.2629

Triad

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



49.9912, 0.2532, 0.2588



49.9912, 0.3976, 0.3465



49.9912, 0.2895, 0.3842

Complementary

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



49.9912, 0.2532, 0.2588



71.6948, 0.3759, 0.3902

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.



49.9912, 0.3328, 0.4066



49.9912, 0.2532, 0.2588



49.9912, 0.3968, 0.3801

Square

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



49.9912, 0.2532, 0.2588



49.9912, 0.3733, 0.3115



49.9912, 0.3724, 0.4034



49.9912, 0.2541, 0.3437

Rectangle

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



49.9912, 0.2532, 0.2588



49.9912, 0.3171, 0.2741



49.9912, 0.3724, 0.4034



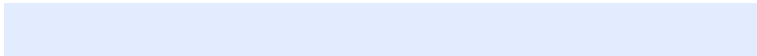
49.9912, 0.3036, 0.3943

Sweetspot

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



49.9931, 0.2532, 0.2588



83.7143, 0.2955, 0.3100



78.2160, 0.2779, 0.3648



17.5166, 0.2932, 0.3074



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.



49.9931, 0.2532, 0.2588



47.6427, 0.2411, 0.2427



40.2075, 0.2575, 0.2249



16.8305, 0.2980, 0.3128



7.0119, 0.1633, 0.1080



0.7977, 0.1702, 0.1327

Inverse Universe

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



48.0066, 0.3690, 0.2978



45.8545, 0.3846, 0.2919



85.7323, 0.3568, 0.4202



16.5738, 0.3241, 0.3211



10.8072, 0.5640, 0.2881



0.9682, 0.5290, 0.2688

Previews

White Background



This preview shows how the Yxy color 49.9912, 0.2532, 0.2588 looks on a white background.

Color Contrast Check

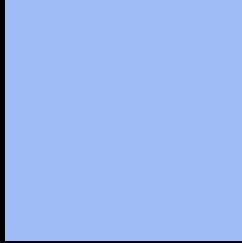
Large Text (above 18pt) WCAG AA × Fail

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 49.9912, 0.2532, 0.2588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

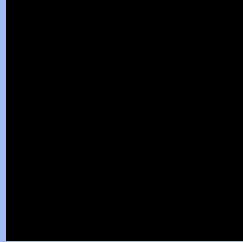
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

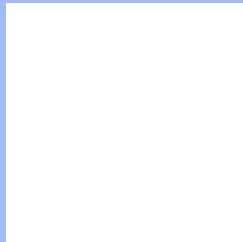
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9912, 0.2532, 0.2588

Background



This preview shows how black text looks on a background with the Yxy color 49.9912, 0.2532, 0.2588.



This preview shows how white text looks on a background with the Yxy color 49.9912, 0.2532, 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

49.9912, 0.2532, 0.2588

Protanopia

49.8875, 0.2616, 0.2586

Deuteranopia

49.8806, 0.2611, 0.2545



Tritanopia

50.1674, 0.2695, 0.3092

Trichromacy



Original Color

49.9912, 0.2532, 0.2588

Protanomaly

49.9259, 0.2586, 0.2583

Deuteranomaly

49.7382, 0.2579, 0.2551

Tritanomaly

49.7993, 0.2632, 0.2893

Monochromacy



Original Color

49.9912, 0.2532, 0.2588

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.3248, 0.2885, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9912, 0.2532, 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(159, 188, 246)` looks like.

```
.text, #text, p{  
    color:rgb(159, 188, 246)  
}
```

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, 188, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 188, 246) }
```

Border

The CSS property to change the border of an element to Yxy 49.9912, 0.2532, 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(159, 188, 246) }
```

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

```
.border{ border-color:rgb(159, 188, 246) }
```

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

Here you see how a box with a 4 pixel rgb(159, 188, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 188, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 188, 246);  
box-shadow:4px 4px 4px 4px rgb(159, 188,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9912, 0.2532, 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(159, 188, 246) }
```

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

```
.background{ background-color: rgb(159,  
188, 246) }
```

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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