

Converting Colors

Yxy(49.8538, 0.2520, 0.2545)

Have a look what the booklet for
Yxy(49.8538, 0.2520, 0.2545)
contains.

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Color

Yxy(49.8538, 0.2520, 0.2545)

Conversions

Conversions Part 1

Format	Color
Hex	A0BBF9
RGB	160, 187, 249
RGB Percent	63%, 73%, 98%
CMY	0.3727, 0.2666, 0.0234
CMYK	0.36, 0.25, 0.00, 0.02
HSL	222°, 88%, 80%
HSV	222°, 36%, 98%
XYZ	49.3641, 49.8538, 96.6713
YIQ	185.9950, -35.9940, 13.5580

Conversions

Conversions Part 2

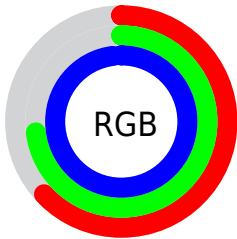
Format	Color
R _Y B	160, 181, 249
Decimal	10533881
CIE Lab	75.98, 5.45, -33.64
CIE LCh	76, 34.077, 279.196
Yxy	49.8538, 0.2520, 0.2545
Android (android.graphics.Color)	4288723961 (0xFFA0BBF9)
YUV	185.9950, 31.0615, -22.7976
Hunter-Lab	70.6072, 1.2332, -31.7514

Details

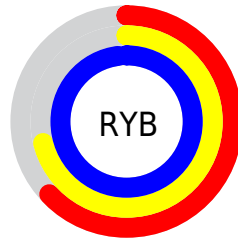
The Yxy color **49.8538, 0.2520, 0.2545** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.9176, 0.3758, 0.3935**, and the grayscale version is **48.9356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0729, 0.2895, 0.3166**, and **23.8592, 0.2364, 0.2364** is the 20% darker color. If you saturate the color by 10%, you get **40.6225, 0.2335, 0.2291**, and if you desaturate by 10%, it is **60.4914, 0.2702, 0.2782**.

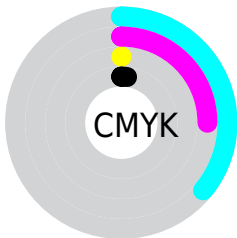
Distribution



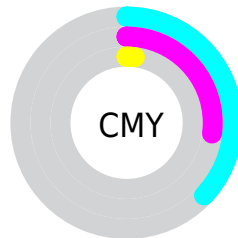
- Red (63%)
- Green (73%)
- Blue (98%)



- Red (63%)
- Yellow (71%)
- Blue (98%)



- Cyan (36%)
- Magenta (25%)
- Yellow (0%)
- Black (2%)



- Cyan (37%)
- Magenta (27%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8538, 0.2520, 0.2545 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 49.8538, 0.2520, 0.2545 by changing the saturation by 10% instead.

■ 49.8538, 0.2520,
0.2545

■ 49.8538, 0.2520,
0.2545

■ 386.0939, 0.2814,
0.2900

■ 35.2972, 0.2450,
0.2462

■ 89.9582, 0.2624,
0.2670

■ 23.8919, 0.2363,
0.2360

■ 116.2749, 0.2664,
0.2718

■ 15.2535, 0.2252,
0.2230

■ 147.2804, 0.2698,
0.2759

■ 8.9975, 0.2104,
0.2060

■ 183.3591, 0.2728,
0.2795

■ 4.7395, 0.1902,
0.1831

■ 224.8954, 0.2753,
0.2826

■ 2.0953, 0.1615,
0.1512

■ 272.2737, 0.2776,

■ 0.6620, 0.1190,

0.2853

0.1033

325.8784, 0.2796,
0.2878

0.0000, 0.0000,
0.0000

49.8538, 0.2520,
0.2545

49.8538, 0.2520,
0.2545

40.6225, 0.2335,
0.2291

60.4914, 0.2702,
0.2782

32.7293, 0.2154,
0.2024

72.5878, 0.2876,
0.2997

26.1088, 0.1985,
0.1755

86.1997, 0.3039,
0.3189

20.6866, 0.1837,
0.1495

99.6217, 0.3162,
0.3347

16.3796, 0.1718,
0.1256

■ 13.0906, 0.1632,
0.1051

■ 11.9591, 0.1605,
0.0976

Harmonies

Analogous

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



49.8538, 0.2308, 0.2665



49.8538, 0.2520, 0.2545



49.8538, 0.2899, 0.2603

Triad

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



49.8538, 0.2520, 0.2545



49.8538, 0.4038, 0.3501



49.8538, 0.2846, 0.3850

Complementary

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



49.8538, 0.2520, 0.2545



74.9176, 0.3758, 0.3935

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.



49.8538, 0.3302, 0.4108



49.8538, 0.2520, 0.2545



49.8538, 0.4007, 0.3852

Square

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



49.8538, 0.2520, 0.2545



49.8538, 0.3799, 0.3131



49.8538, 0.3730, 0.4091



49.8538, 0.2483, 0.3409

Rectangle

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



49.8538, 0.2520, 0.2545



49.8538, 0.3210, 0.2728



49.8538, 0.3730, 0.4091



49.8538, 0.2993, 0.3964

Sweetspot

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



49.8557, 0.2520, 0.2545



83.2278, 0.2955, 0.3091



80.4538, 0.2761, 0.3617



17.4012, 0.2932, 0.3065



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.



49.8557, 0.2520, 0.2545



45.3707, 0.2385, 0.2361



41.2333, 0.2589, 0.2241



17.5024, 0.2979, 0.3120



6.6174, 0.1612, 0.1004



0.7909, 0.1677, 0.1235

Inverse Universe

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



48.8620, 0.3725, 0.3003



44.8584, 0.3907, 0.2944



87.5837, 0.3552, 0.4219



17.3120, 0.3246, 0.3218



11.0789, 0.5753, 0.2943



1.0441, 0.5417, 0.2758

Previews

White Background



This preview shows how the Yxy color 49.8538, 0.2520, 0.2545 looks on a white background.

Color Contrast Check

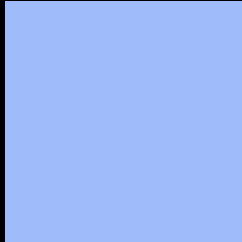
Large Text (above 18pt) WCAG AA × Fail

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 49.8538, 0.2520, 0.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

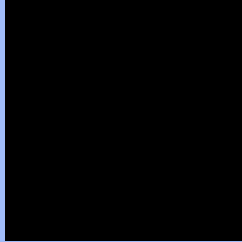
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8538, 0.2520, 0.2545

Background



This preview shows how black text looks on a background with the Yxy color 49.8538, 0.2520, 0.2545.



This preview shows how white text looks on a background with the Yxy color 49.8538, 0.2520, 0.2545.

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

49.8538, 0.2520, 0.2545

Protanopia

49.9594, 0.2592, 0.2554

Deuteranopia

49.7292, 0.2574, 0.2511



Tritanopia

49.8160, 0.2700, 0.3079

Trichromacy



Original Color

49.8538, 0.2520, 0.2545

Protanomaly

50.0021, 0.2562, 0.2551

Deuteranomaly

49.7070, 0.2549, 0.2518

Tritanomaly

49.5134, 0.2631, 0.2869

Monochromacy



Original Color

49.8538, 0.2520, 0.2545

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0684, 0.2886, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8538, 0.2520, 0.2545 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(160, 187, 249)` looks like.

```
.text, #text, p{  
    color:rgb(160, 187, 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(160, 187, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 187, 249) }
```

Border

The CSS property to change the border of an element to Yxy 49.8538, 0.2520, 0.2545 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(160, 187, 249) }
```

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

```
.border{ border-color:rgb(160, 187, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 187, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 187, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 187, 249);  
box-shadow:4px 4px 4px 4px rgb(160, 187,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8538, 0.2520, 0.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 187, 249) }
```

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

```
.background{ background-color: rgb(160,  
187, 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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