

Converting Colors

$Y_{xy}(50.8780, 0.2364, 0.2542)$

Have a look what the booklet for
Yxy(50.8780, 0.2364, 0.2542)
contains.

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Color

Yxy(50.9545, 0.2364, 0.2545)

Conversions

Conversions Part 1

Format	Color
Hex	87C2FF
RGB	135, 194, 255
RGB Percent	53%, 76%, 100%
CMY	0.4706, 0.2392, 0.0001
CMYK	0.47, 0.24, 0.00, 0.00
HSL	210°, 100%, 76%
HSV	210°, 47%, 100%
XYZ	47.3306, 50.9545, 101.9290
YIQ	183.3130, -54.7450, 6.4630

Conversions

Conversions Part 2

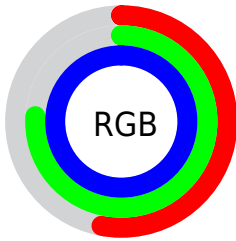
Format	Color
RYB	135, 175, 255
Decimal	8897279
CIELab	76.65, -3.05, -35.90
CIELCh	77, 36.033, 265.149
Yxy	50.9545, 0.2364, 0.2545
Android (android.graphics.Color)	4287087359 (0xFF87C2FF)
YUV	183.3130, 35.3417, -42.3705
Hunter-Lab	71.3824, -6.5635, -34.6942

Details

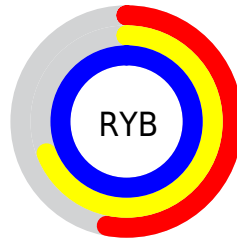
The Yxy color **50.9545, 0.2364, 0.2545** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.4753, 0.4100, 0.3921**, and the grayscale version is **47.3608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9287, 0.2763, 0.3236**, and **24.6635, 0.2175, 0.2363** is the 20% darker color. If you saturate the color by 10%, you get **43.5694, 0.2209, 0.2351**, and if you desaturate by 10%, it is **59.3528, 0.2527, 0.2729**.

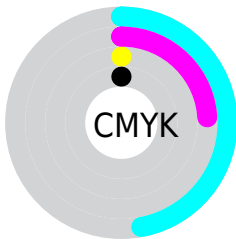
Distribution



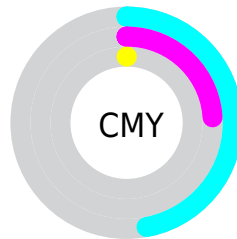
- Red (53%)
- Green (76%)
- Blue (100%)



- Red (53%)
- Yellow (69%)
- Blue (100%)



- Cyan (47%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9545, 0.2364, 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 50.9545, 0.2364, 0.2545 by changing the saturation by 10% instead.

■ 50.9545, 0.2364,
0.2545

■ 50.9545, 0.2364,
0.2545

■ 390.3870, 0.2727,
0.2903

■ 36.1724, 0.2280,
0.2461

■ 91.5875, 0.2491,
0.2671

■ 24.5674, 0.2176,
0.2357

■ 118.2072, 0.2540,
0.2720

■ 15.7550, 0.2044,
0.2225

■ 149.5416, 0.2583,
0.2761

■ 9.3510, 0.1873,
0.2053

■ 185.9750, 0.2619,
0.2797

■ 4.9708, 0.1646,
0.1820

■ 227.8918, 0.2651,
0.2829

■ 2.2301, 0.1334,
0.1498

■ 275.6765, 0.2680,

■ 0.7364, 0.0882,

0.2856

0.1038

329.7134, 0.2705,
0.2881

0.0000, 0.0000,
0.0000

50.9545, 0.2364,
0.2545

50.9545, 0.2364,
0.2545

43.5694, 0.2209,
0.2351

59.3528, 0.2527,
0.2729

37.1422, 0.2068,
0.2150

68.8040, 0.2693,
0.2901

31.6199, 0.1946,
0.1949

79.3523, 0.2858,
0.3058

26.9395, 0.1847,
0.1754

91.0370, 0.3018,
0.3199

23.0241, 0.1774,
0.1569

99.9986, 0.3127,
0.3290

■ 21.9857, 0.1755,
0.1517

Harmonies

Analogous

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



50.9545, 0.2238, 0.2760



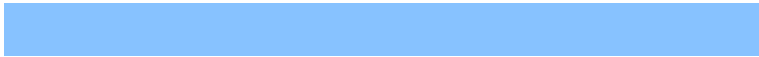
50.9545, 0.2364, 0.2545



50.9545, 0.2683, 0.2522

Triad

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



50.9545, 0.2364, 0.2545



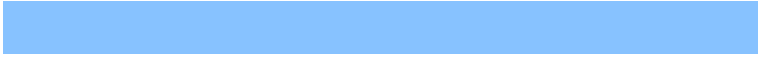
50.9545, 0.3999, 0.3325



50.9545, 0.3050, 0.4042

Complementary

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



50.9545, 0.2364, 0.2545



62.4753, 0.4100, 0.3921

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.



50.9545, 0.3531, 0.4177



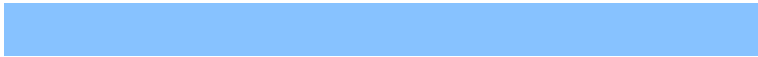
50.9545, 0.2364, 0.2545



50.9545, 0.4102, 0.3711

Square

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



50.9545, 0.2364, 0.2545



50.9545, 0.3638, 0.2956



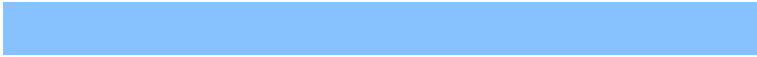
50.9545, 0.3921, 0.4033



50.9545, 0.2611, 0.3644

Rectangle

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



50.9545, 0.2364, 0.2545



50.9545, 0.2981, 0.2604



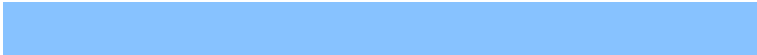
50.9545, 0.3921, 0.4033



50.9545, 0.3212, 0.4120

Sweetspot

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



50.9564, 0.2364, 0.2545



82.8120, 0.2907, 0.3103



80.5973, 0.2774, 0.4021



17.2016, 0.2872, 0.3071



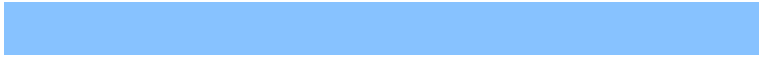
0.0000, 0.0000, 0.0000



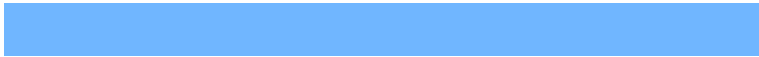
21.4041, 0.3127, 0.3290

Same Dimension

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



50.9564, 0.2364, 0.2545



44.3087, 0.2225, 0.2371



29.6997, 0.2227, 0.1802



18.8529, 0.2979, 0.3166



11.7875, 0.1763, 0.1546



1.3657, 0.1821, 0.1754

Inverse Universe

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



42.4809, 0.3769, 0.2685



36.2876, 0.3956, 0.2585



94.5114, 0.3824, 0.4442



18.1360, 0.3217, 0.3174



11.9179, 0.4999, 0.2528



1.1824, 0.4740, 0.2385

Previews

White Background



This preview shows how the Yxy color 50.9545, 0.2364, 0.2545 looks on a white background.

Color Contrast Check

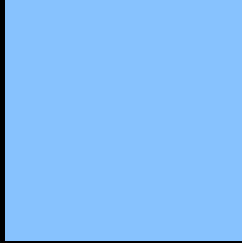
Large Text (above 18pt) WCAG AA × Fail

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 50.9545, 0.2364, 0.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

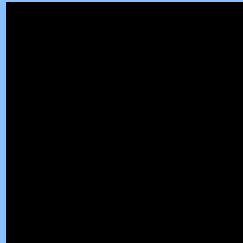
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

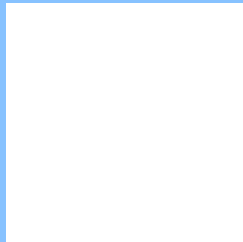
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9545, 0.2364, 0.2545

Background



This preview shows how black text looks on a background with the Yxy color 50.9545, 0.2364, 0.2545.



This preview shows how white text looks on a background with the Yxy color 50.9545, 0.2364, 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

50.9545, 0.2364, 0.2545

Protanopia

50.6153, 0.2589, 0.2547

Deuteranopia

50.7728, 0.2542, 0.2484



Tritanopia

51.0681, 0.2512, 0.3075

Trichromacy



Original Color

50.9545, 0.2364, 0.2545

Protanomaly

50.6293, 0.2501, 0.2547

Deuteranomaly

50.7833, 0.2474, 0.2505

Tritanomaly

50.7469, 0.2454, 0.2861

Monochromacy



Original Color

50.9545, 0.2364, 0.2545

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.2511, 0.2804, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9545, 0.2364, 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(135, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 194, 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(135, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.9545, 0.2364, 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(135, 194, 255) }
```

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

```
.border{ border-color:rgb(135, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9545, 0.2364, 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(135, 194, 255) }
```

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

```
.background{ background-color: rgb(135,  
194, 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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