

Converting Colors

$Yxy(54.7447, 0.2234, 0.2298)$

Have a look what the booklet for
Yxy(54.7447, 0.2234, 0.2298)
contains.

Yxy(52.5947, 0.2363, 0.2594)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.5947, 0.2363, 0.2594)

Conversions

Conversions Part 1

Format	Color
Hex	85C6FF
RGB	133, 198, 255
RGB Percent	52%, 78%, 100%
CMY	0.4787, 0.2235, 0.0000
CMYK	0.48, 0.22, 0.00, 0.00
HSL	208°, 100%, 76%
HSV	208°, 48%, 100%
XYZ	47.9111, 52.5947, 102.2494
YIQ	185.0630, -57.0370, 3.9470

Conversions

Conversions Part 2

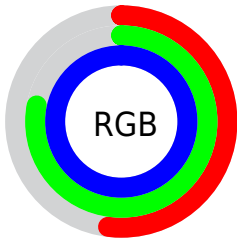
Format	Color
RYB	133, 175, 255
Decimal	8767231
CIELab	77.64, -5.67, -34.41
CIELCh	78, 34.878, 260.638
Yxy	52.5947, 0.2363, 0.2594
Android (android.graphics.Color)	4286957311 (0xFF85C6FF)
YUV	185.0630, 34.4789, -45.6593
Hunter-Lab	72.5222, -8.9896, -32.8278

Details

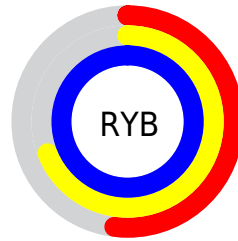
The Yxy color **52.5947, 0.2363, 0.2594** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.7451, 0.4149, 0.3881**, and the grayscale version is **48.3737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **25.4796, 0.2177, 0.2413** is the 20% darker color. If you saturate the color by 10%, you get **45.5362, 0.2215, 0.2416**, and if you desaturate by 10%, it is **60.5860, 0.2521, 0.2763**.

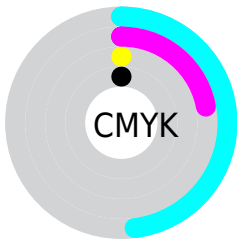
Distribution



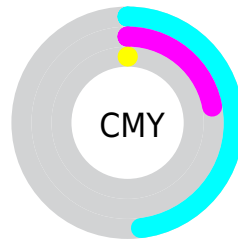
- Red (52%)
- Green (78%)
- Blue (100%)



- Red (52%)
- Yellow (69%)
- Blue (100%)



- Cyan (48%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5947, 0.2363, 0.2594 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 52.5947, 0.2363, 0.2594 by changing the saturation by 10% instead.

■ 52.5947, 0.2363,
0.2594

■ 52.5947, 0.2363,
0.2594

■ 396.7282, 0.2725,
0.2929

■ 37.4793, 0.2280,
0.2515

■ 94.0077, 0.2489,
0.2712

■ 25.5788, 0.2177,
0.2418

■ 121.0741, 0.2538,
0.2758

■ 16.5088, 0.2047,
0.2293

■ 152.8930, 0.2580,
0.2797

■ 9.8849, 0.1879,
0.2130

■ 189.8487, 0.2617,
0.2830

■ 5.3227, 0.1655,
0.1909

■ 232.3257, 0.2649,
0.2860

■ 2.4378, 0.1349,
0.1600

■ 280.7084, 0.2677,

■ 0.8453, 0.0912,

0.2886

0.1160

335.3811, 0.2702,
0.2909

0.0000, 0.0000,
0.0000

52.5947, 0.2363,
0.2594

52.5947, 0.2363,
0.2594

45.5362, 0.2215,
0.2416

60.5860, 0.2521,
0.2763

39.3616, 0.2081,
0.2232

69.5509, 0.2683,
0.2921

34.0192, 0.1967,
0.2048

79.5297, 0.2845,
0.3066

29.4487, 0.1875,
0.1867

90.5595, 0.3005,
0.3197

25.5725, 0.1807,
0.1694

100.0000, 0.3127,
0.3290

■ 24.8144, 0.1794,
0.1658

Harmonies

Analogous

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



52.5947, 0.2272, 0.2830



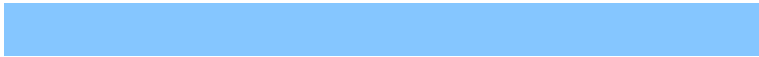
52.5947, 0.2363, 0.2594



52.5947, 0.2645, 0.2543

Triad

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



52.5947, 0.2363, 0.2594



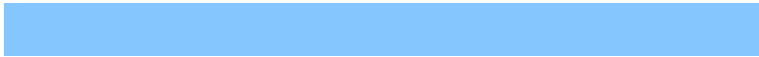
52.5947, 0.3924, 0.3269



52.5947, 0.3124, 0.4045

Complementary

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



52.5947, 0.2363, 0.2594



59.7451, 0.4149, 0.3881

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.



52.5947, 0.3581, 0.4134



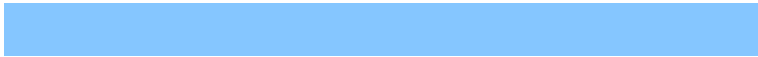
52.5947, 0.2363, 0.2594



52.5947, 0.4064, 0.3643

Square

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



52.5947, 0.2363, 0.2594



52.5947, 0.3550, 0.2922



52.5947, 0.3931, 0.3966



52.5947, 0.2689, 0.3696

Rectangle

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



52.5947, 0.2363, 0.2594



52.5947, 0.2919, 0.2606



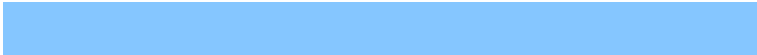
52.5947, 0.3931, 0.3966



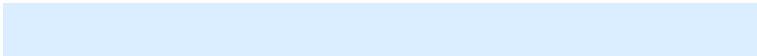
52.5947, 0.3280, 0.4106

Sweetspot

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



52.5954, 0.2363, 0.2594



83.6699, 0.2908, 0.3118



80.2146, 0.2789, 0.4089



17.4103, 0.2873, 0.3089



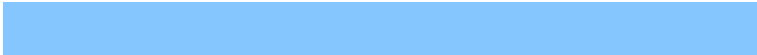
0.0000, 0.0000, 0.0000



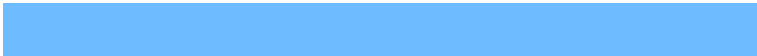
21.4041, 0.3127, 0.3290

Same Dimension

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



52.5954, 0.2363, 0.2594



46.1135, 0.2227, 0.2432



30.0939, 0.2219, 0.1821



18.9815, 0.2979, 0.3176



13.2681, 0.1802, 0.1686



1.5107, 0.1856, 0.1882

Inverse Universe

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



42.0953, 0.3731, 0.2626



35.9304, 0.3905, 0.2516



91.9031, 0.3852, 0.4428



18.1490, 0.3210, 0.3164



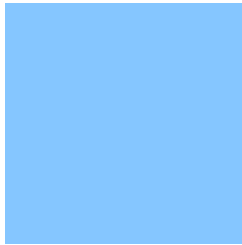
12.0674, 0.4824, 0.2431



1.1970, 0.4589, 0.2301

Previews

White Background



This preview shows how the Yxy color 52.5947, 0.2363, 0.2594 looks on a white background.

Color Contrast Check

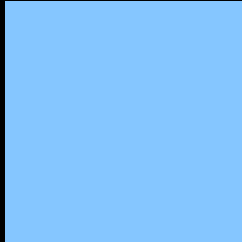
Large Text (above 18pt) WCAG AA × Fail

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 52.5947, 0.2363, 0.2594 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

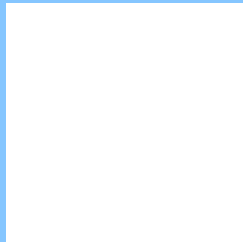
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.5947, 0.2363, 0.2594

Background



This preview shows how black text looks on a background with the Yxy color 52.5947, 0.2363, 0.2594.

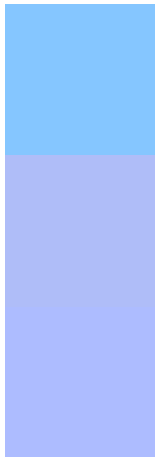


This preview shows how white text looks on a background with the Yxy color 52.5947, 0.2363, 0.2594.

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

52.5947, 0.2363, 0.2594

Protanopia

52.2865, 0.2625, 0.2598

Deuteranopia

52.0707, 0.2571, 0.2513



Tritanopia

52.5438, 0.2488, 0.3064

Trichromacy



Original Color

52.5947, 0.2363, 0.2594

Protanomaly

52.1379, 0.2518, 0.2587

Deuteranomaly

52.1884, 0.2486, 0.2544

Tritanomaly

52.5599, 0.2443, 0.2890

Monochromacy



Original Color

52.5947, 0.2363, 0.2594

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.5870, 0.2800, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5947, 0.2363, 0.2594 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(133, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 198, 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(133, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.5947, 0.2363, 0.2594 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(133, 198, 255) }
```

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

```
.border{ border-color:rgb(133, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5947, 0.2363, 0.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 198, 255) }
```

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

```
.background{ background-color: rgb(133,  
198, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor