

Converting Colors

Yxy(54.0866, 0.2350, 0.2444)

Have a look what the booklet for
Yxy(54.0866, 0.2350, 0.2444)
contains.

Yxy(53.0818, 0.2417, 0.2591)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.0818, 0.2417, 0.2591)

Conversions

Conversions Part 1

Format	Color
Hex	90C5FF
RGB	144, 197, 255
RGB Percent	56%, 77%, 100%
CMY	0.4354, 0.2274, 0.0000
CMYK	0.44, 0.23, 0.00, 0.00
HSL	211°, 100%, 78%
HSV	211°, 44%, 100%
XYZ	49.5171, 53.0818, 102.2711
YIQ	187.7650, -50.2060, 6.8020

Conversions

Conversions Part 2

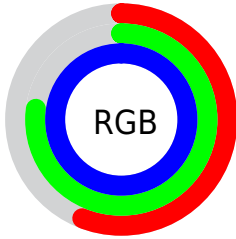
Format	Color
RYB	144, 180, 255
Decimal	9487871
CIELab	77.92, -2.52, -33.93
CIELCh	78, 34.023, 265.756
Yxy	53.0818, 0.2417, 0.2591
Android (android.graphics.Color)	4287677951 (0xFF90C5FF)
YUV	187.7650, 33.1469, -38.3819
Hunter-Lab	72.8573, -6.1836, -32.2264

Details

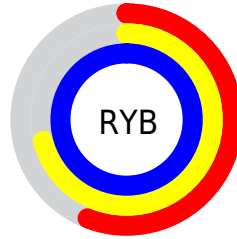
The Yxy color **53.0818, 0.2417, 0.2591** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.4951, 0.4003, 0.3891**, and the grayscale version is **49.9748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6602, 0.2815, 0.3279**, and **25.7484, 0.2242, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **45.2555, 0.2257, 0.2394**, and if you desaturate by 10%, it is **61.9606, 0.2583, 0.2777**.

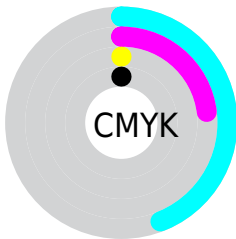
Distribution



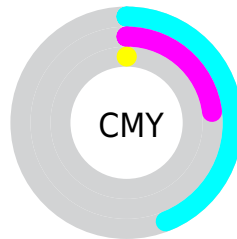
- Red (56%)
- Green (77%)
- Blue (100%)



- Red (56%)
- Yellow (71%)
- Blue (100%)



- Cyan (44%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0818, 0.2417, 0.2591 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 53.0818, 0.2417, 0.2591 by changing the saturation by 10% instead.

■ 53.0818, 0.2417,
0.2591

■ 53.0818, 0.2417,
0.2591

■ 398.5989, 0.2754,
0.2925

■ 37.8681, 0.2339,
0.2513

■ 94.7247, 0.2535,
0.2708

■ 25.8803, 0.2243,
0.2416

■ 121.9227, 0.2581,
0.2754

■ 16.7341, 0.2121,
0.2293

■ 153.8842, 0.2620,
0.2793

■ 10.0451, 0.1962,
0.2133

■ 190.9937, 0.2654,
0.2826

■ 5.4289, 0.1749,
0.1916

■ 233.6355, 0.2683,
0.2856

■ 2.5010, 0.1456,
0.1613

■ 282.1941, 0.2710,

■ 0.8772, 0.1039,

0.2882

0.1180

337.0537, 0.2733,
0.2905

0.0000, 0.0000,
0.0000

53.0818, 0.2417,
0.2591

53.0818, 0.2417,
0.2591

45.2555, 0.2257,
0.2394

61.9606, 0.2583,
0.2777

38.4332, 0.2108,
0.2190

71.9378, 0.2750,
0.2948

32.5606, 0.1977,
0.1983

83.0555, 0.2914,
0.3104

27.5766, 0.1868,
0.1780

95.3533, 0.3073,
0.3244

23.4094, 0.1784,
0.1588

100.0000, 0.3127,
0.3290

■ 21.0927, 0.1742,
0.1470

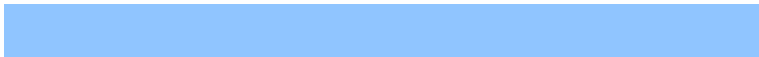
Harmonies

Analogous

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



53.0818, 0.2294, 0.2792



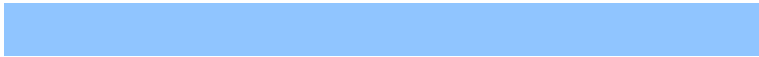
53.0818, 0.2417, 0.2591



53.0818, 0.2721, 0.2571

Triad

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



53.0818, 0.2417, 0.2591



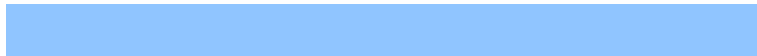
53.0818, 0.3943, 0.3333



53.0818, 0.3048, 0.3980

Complementary

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



53.0818, 0.2417, 0.2591



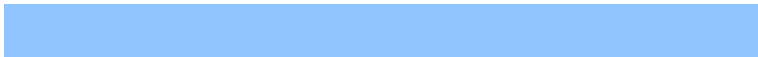
65.4951, 0.4003, 0.3891

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.



53.0818, 0.3498, 0.4115



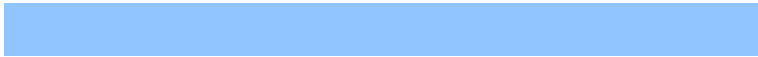
53.0818, 0.2417, 0.2591



53.0818, 0.4035, 0.3695

Square

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



53.0818, 0.2417, 0.2591



53.0818, 0.3612, 0.2985



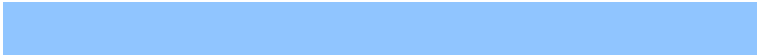
53.0818, 0.3864, 0.3990



53.0818, 0.2639, 0.3610

Rectangle

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



53.0818, 0.2417, 0.2591



53.0818, 0.3001, 0.2650



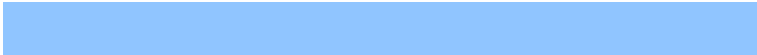
53.0818, 0.3864, 0.3990



53.0818, 0.3200, 0.4056

Sweetspot

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



53.0816, 0.2417, 0.2591



83.6920, 0.2923, 0.3112



81.6791, 0.2785, 0.3933



17.3638, 0.2887, 0.3079



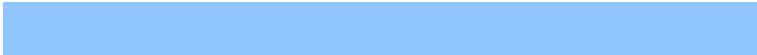
0.0000, 0.0000, 0.0000



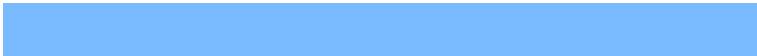
21.4041, 0.3127, 0.3290

Same Dimension

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



53.0816, 0.2417, 0.2591



46.3959, 0.2281, 0.2425



33.2507, 0.2316, 0.1933



18.8093, 0.2979, 0.3163



11.3162, 0.1750, 0.1500



1.3190, 0.1809, 0.1711

Inverse Universe

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



45.2279, 0.3718, 0.2744



38.8117, 0.3892, 0.2646



94.4433, 0.3764, 0.4370



18.1316, 0.3219, 0.3177



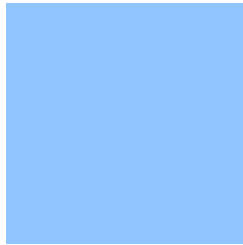
11.8703, 0.5059, 0.2561



1.1777, 0.4793, 0.2414

Previews

White Background



This preview shows how the Yxy color 53.0818, 0.2417, 0.2591 looks on a white background.

Color Contrast Check

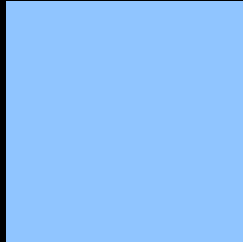
Large Text (above 18pt) WCAG AA × Fail

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 53.0818, 0.2417, 0.2591 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

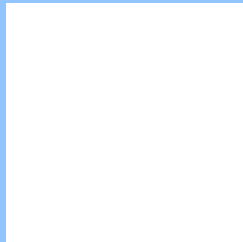
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.0818, 0.2417, 0.2591

Background



This preview shows how black text looks on a background with the Yxy color 53.0818, 0.2417, 0.2591.



This preview shows how white text looks on a background with the Yxy color 53.0818, 0.2417, 0.2591.

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

53.0818, 0.2417, 0.2591

Protanopia

52.9591, 0.2621, 0.2591

Deuteranopia

52.7292, 0.2585, 0.2528



Tritanopia

52.9475, 0.2555, 0.3067

Trichromacy



Original Color

53.0818, 0.2417, 0.2591

Protanomaly

53.0607, 0.2539, 0.2593

Deuteranomaly

52.8118, 0.2521, 0.2550

Tritanomaly

53.0598, 0.2504, 0.2883

Monochromacy



Original Color

53.0818, 0.2417, 0.2591

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.7857, 0.2831, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0818, 0.2417, 0.2591 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(144, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 197, 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(144, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.0818, 0.2417, 0.2591 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(144, 197, 255) }
```

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

```
.border{ border-color:rgb(144, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0818, 0.2417, 0.2591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 197, 255) }
```

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

```
.background{ background-color: rgb(144,  
197, 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