

Converting Colors

Yxy(53.0397, 0.2420, 0.2589)

Have a look what the booklet for
Yxy(53.0397, 0.2420, 0.2589)
contains.

Yxy(53.1722, 0.2423, 0.2592)	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(53.1722, 0.2423, 0.2592)

Conversions

Conversions Part 1

Format	Color
Hex	91C5FF
RGB	145, 197, 255
RGB Percent	57%, 77%, 100%
CMY	0.4310, 0.2275, 0.0000
CMYK	0.43, 0.23, 0.00, 0.00
HSL	212°, 100%, 78%
HSV	212°, 43%, 100%
XYZ	49.7053, 53.1722, 102.2621
YIQ	188.0640, -49.6100, 7.0140

Conversions

Conversions Part 2

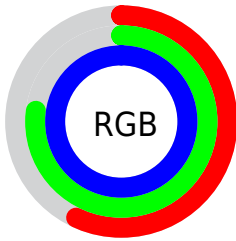
Format	Color
R _Y B	145, 180, 255
Decimal	9553407
CIE Lab	77.98, -2.24, -33.83
CIE LCh	78, 33.907, 266.215
Yxy	53.1722, 0.2423, 0.2592
Android (android.graphics.Color)	4287743487 (0xFF91C5FF)
YUV	188.0640, 32.9994, -37.7671
Hunter-Lab	72.9193, -5.9344, -32.1049

Details

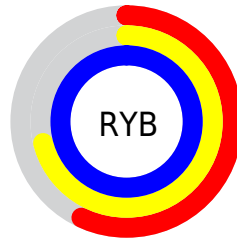
The Yxy color **53.1722, 0.2423, 0.2592** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.0655, 0.3989, 0.3891**, and the grayscale version is **50.1673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8001, 0.2821, 0.3279**, and **25.7968, 0.2247, 0.2411** is the 20% darker color. If you saturate the color by 10%, you get **45.2679, 0.2262, 0.2393**, and if you desaturate by 10%, it is **62.1443, 0.2590, 0.2779**.

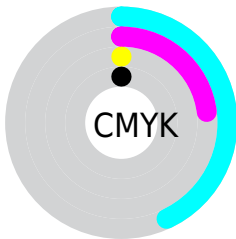
Distribution



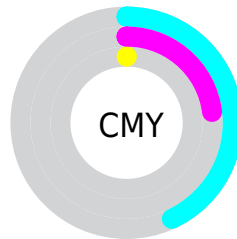
- Red (57%)
- Green (77%)
- Blue (100%)



- Red (57%)
- Yellow (71%)
- Blue (100%)



- Cyan (43%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1722, 0.2423, 0.2592 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 53.1722, 0.2423, 0.2592 by changing the saturation by 10% instead.


 53.1722, 0.2423,
0.2592


 53.1722, 0.2423,
0.2592


398.9454, 0.2757,
0.2926

 37.9403, 0.2346,
0.2514


 94.8577, 0.2540,
0.2709

 25.9363, 0.2250,
0.2418


 122.0801, 0.2585,
0.2754

 16.7760, 0.2129,
0.2295


154.0680, 0.2624,
0.2793

 10.0749, 0.1971,
0.2135

191.2059, 0.2658,
0.2827

 5.4487, 0.1760,
0.1919

233.8783, 0.2687,
0.2856

 2.5128, 0.1468,
0.1618

282.4693, 0.2713,

 0.8831, 0.1053,

0.2882

0.1185

337.3636, 0.2736,
0.2905

0.0000, 0.0000,
0.0000

53.1722, 0.2423,
0.2592

53.1722, 0.2423,
0.2592

45.2679, 0.2262,
0.2393

62.1443, 0.2590,
0.2779

38.3788, 0.2112,
0.2187

72.2267, 0.2757,
0.2952

32.4516, 0.1979,
0.1978

83.4628, 0.2921,
0.3109

27.4251, 0.1868,
0.1773

95.8927, 0.3080,
0.3250

23.2275, 0.1783,
0.1578

100.0000, 0.3127,
0.3290

■ 20.7514, 0.1737,
0.1452

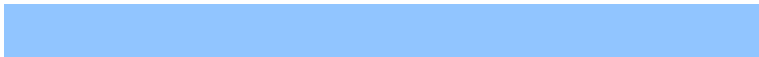
Harmonies

Analogous

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



53.1722, 0.2298, 0.2789



53.1722, 0.2423, 0.2592



53.1722, 0.2729, 0.2574

Triad

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



53.1722, 0.2423, 0.2592



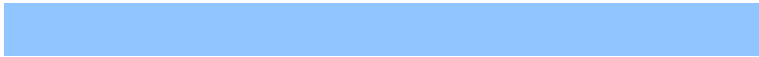
53.1722, 0.3943, 0.3339



53.1722, 0.3042, 0.3973

Complementary

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



53.1722, 0.2423, 0.2592



66.0655, 0.3989, 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.



53.1722, 0.3490, 0.4111



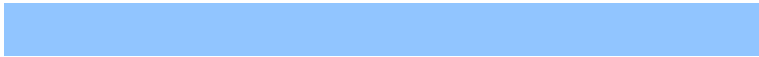
53.1722, 0.2423, 0.2592



53.1722, 0.4030, 0.3699

Square

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



53.1722, 0.2423, 0.2592



53.1722, 0.3616, 0.2991



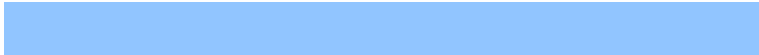
53.1722, 0.3857, 0.3991



53.1722, 0.2636, 0.3602

Rectangle

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



53.1722, 0.2423, 0.2592



53.1722, 0.3009, 0.2655



53.1722, 0.3857, 0.3991



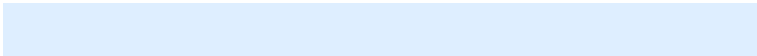
53.1722, 0.3193, 0.4050

Sweetspot

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



53.1733, 0.2423, 0.2592



83.5860, 0.2923, 0.3110



81.8057, 0.2787, 0.3925



17.3378, 0.2887, 0.3077



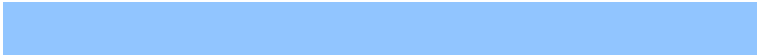
0.0000, 0.0000, 0.0000



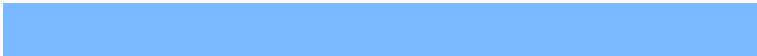
21.4041, 0.3127, 0.3290

Same Dimension

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



53.1733, 0.2423, 0.2592



46.0900, 0.2279, 0.2416



33.6919, 0.2326, 0.1949



18.7923, 0.2979, 0.3161



11.1367, 0.1745, 0.1482



1.3010, 0.1804, 0.1695

Inverse Universe

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



45.5671, 0.3716, 0.2755



38.7808, 0.3900, 0.2653



94.4811, 0.3759, 0.4360



18.1299, 0.3220, 0.3178



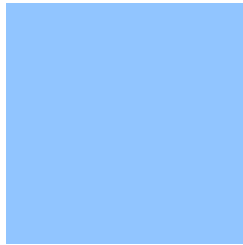
11.8522, 0.5082, 0.2573



1.1759, 0.4813, 0.2425

Previews

White Background



This preview shows how the Yxy color 53.1722, 0.2423, 0.2592 looks on a white background.

Color Contrast Check

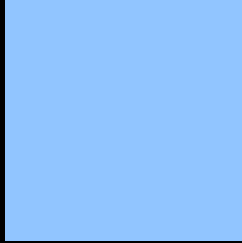
Large Text (above 18pt) WCAG AA × Fail

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 53.1722, 0.2423, 0.2592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

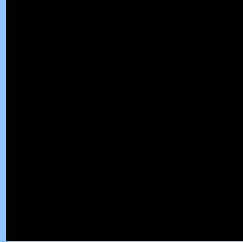
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

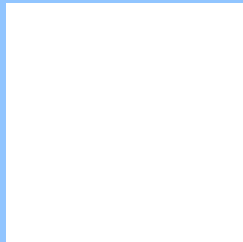
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1722, 0.2423, 0.2592

Background



This preview shows how black text looks on a background with the Yxy color 53.1722, 0.2423, 0.2592.



This preview shows how white text looks on a background with the Yxy color 53.1722, 0.2423, 0.2592.

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

53.1722, 0.2423, 0.2592

Protanopia

52.9591, 0.2621, 0.2591

Deuteranopia

52.8453, 0.2592, 0.2529



Tritanopia

53.0301, 0.2560, 0.3067

Trichromacy



Original Color

53.1722, 0.2423, 0.2592

Protanomaly

53.1675, 0.2545, 0.2594

Deuteranomaly

52.9186, 0.2527, 0.2552

Tritanomaly

53.1454, 0.2509, 0.2884

Monochromacy



Original Color

53.1722, 0.2423, 0.2592

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 53.1722, 0.2423, 0.2592 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(145, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.1722, 0.2423, 0.2592 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(145, 197, 255) }
```

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

```
.border{ border-color:rgb(145, 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(145, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1722, 0.2423, 0.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 197, 255) }
```

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

```
.background{ background-color: rgb(145,  
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