

Converting Colors

$Yxy(51.4268, 0.2355, 0.2562)$

Have a look what the booklet for
Yxy(51.4268, 0.2355, 0.2562)
contains.

Yxy(51.6054, 0.2354, 0.2568)	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(51.6054, 0.2354, 0.2568)

Conversions

Conversions Part 1

Format	Color
Hex	84C4FF
RGB	132, 196, 255
RGB Percent	52%, 77%, 100%
CMY	0.4822, 0.2314, 0.0001
CMYK	0.48, 0.23, 0.00, 0.00
HSL	209°, 100%, 76%
HSV	209°, 48%, 100%
XYZ	47.3050, 51.6054, 102.0453
YIQ	183.5900, -57.0830, 4.7810

Conversions

Conversions Part 2

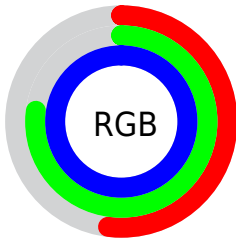
Format	Color
R _Y B	132, 174, 255
Decimal	8701183
CIE Lab	77.04, -4.81, -35.30
CIE LCh	77, 35.628, 262.238
Yxy	51.6054, 0.2354, 0.2568
Android (android.graphics.Color)	4286891263 (0xFF84C4FF)
YUV	183.5900, 35.2051, -45.2444
Hunter-Lab	71.8369, -8.1714, -33.9364

Details

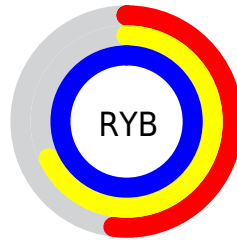
The Yxy color **51.6054, 0.2354, 0.2568** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.1831, 0.4150, 0.3901**, and the grayscale version is **47.5259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7880, 0.2749, 0.3257**, and **24.8397, 0.2164, 0.2377** is the 20% darker color. If you saturate the color by 10%, you get **44.5018, 0.2204, 0.2384**, and if you desaturate by 10%, it is **59.6648, 0.2513, 0.2743**.

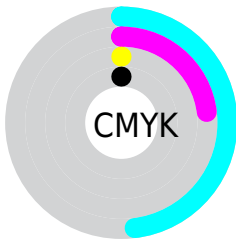
Distribution



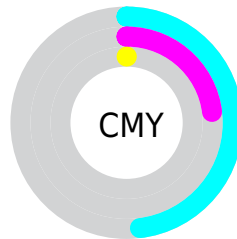
- Red (52%)
- Green (77%)
- Blue (100%)



- Red (52%)
- Yellow (68%)
- Blue (100%)



- Cyan (48%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6054, 0.2354, 0.2568 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 51.6054, 0.2354, 0.2568 by changing the saturation by 10% instead.

■ 51.6054, 0.2354,
0.2568

■ 51.6054, 0.2354,
0.2568

■ 392.9113, 0.2721,
0.2916

■ 36.6906, 0.2269,
0.2486

■ 92.5490, 0.2482,
0.2691

■ 24.9681, 0.2165,
0.2385

■ 119.3467, 0.2532,
0.2738

■ 16.0533, 0.2032,
0.2256

■ 150.8741, 0.2575,
0.2778

■ 9.5618, 0.1861,
0.2087

■ 187.5157, 0.2612,
0.2813

■ 5.1094, 0.1634,
0.1860

■ 229.6558, 0.2644,
0.2844

■ 2.3116, 0.1322,
0.1542

■ 277.6788, 0.2673,

■ 0.7798, 0.0872,

0.2870

0.1090

331.9692, 0.2698,
0.2894

0.0000, 0.0000,
0.0000

51.6054, 0.2354,
0.2568

51.6054, 0.2354,
0.2568

44.5018, 0.2204,
0.2384

59.6648, 0.2513,
0.2743

38.3004, 0.2069,
0.2195

68.7181, 0.2676,
0.2905

32.9496, 0.1954,
0.2005

78.8077, 0.2840,
0.3055

28.3879, 0.1861,
0.1820

89.9717, 0.3000,
0.3190

24.5342, 0.1793,
0.1645

99.9978, 0.3127,
0.3290

■ 23.9020, 0.1782,
0.1614

Harmonies

Analogous

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



51.6054, 0.2249, 0.2799



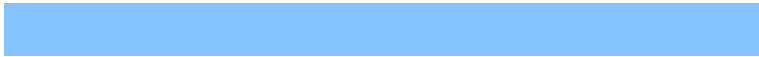
51.6054, 0.2354, 0.2568



51.6054, 0.2652, 0.2527

Triad

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



51.6054, 0.2354, 0.2568



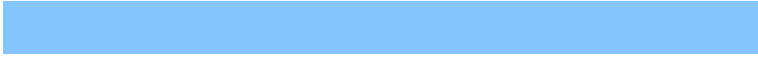
51.6054, 0.3961, 0.3288



51.6054, 0.3098, 0.4055

Complementary

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



51.6054, 0.2354, 0.2568



60.1831, 0.4150, 0.3901

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.



51.6054, 0.3569, 0.4160



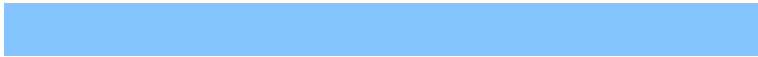
51.6054, 0.2354, 0.2568



51.6054, 0.4090, 0.3671

Square

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



51.6054, 0.2354, 0.2568



51.6054, 0.3586, 0.2929



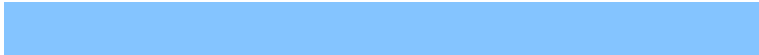
51.6054, 0.3938, 0.3997



51.6054, 0.2656, 0.3684

Rectangle

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



51.6054, 0.2354, 0.2568



51.6054, 0.2938, 0.2597



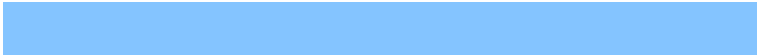
51.6054, 0.3938, 0.3997



51.6054, 0.3258, 0.4123

Sweetspot

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



51.6073, 0.2354, 0.2568



83.4035, 0.2908, 0.3113



80.0984, 0.2787, 0.4096



17.3455, 0.2873, 0.3084



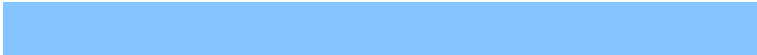
0.0000, 0.0000, 0.0000



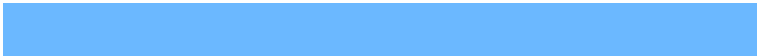
21.4041, 0.3127, 0.3290

Same Dimension

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



51.6073, 0.2354, 0.2568



44.6570, 0.2208, 0.2388



29.7733, 0.2211, 0.1809



18.9416, 0.2979, 0.3173



12.7941, 0.1790, 0.1642



1.4646, 0.1845, 0.1842

Inverse Universe

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



41.7522, 0.3754, 0.2637



35.2594, 0.3949, 0.2524



91.8324, 0.3857, 0.4435



18.1450, 0.3212, 0.3167



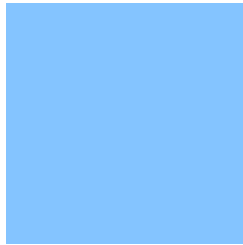
12.0195, 0.4878, 0.2461



1.1924, 0.4635, 0.2327

Previews

White Background



This preview shows how the Yxy color 51.6054, 0.2354, 0.2568 looks on a white background.

Color Contrast Check

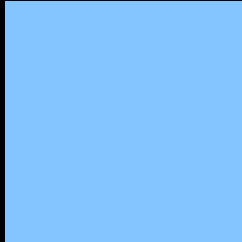
Large Text (above 18pt) WCAG AA × Fail

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 51.6054, 0.2354, 0.2568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

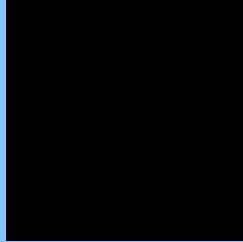
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

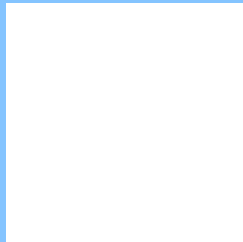
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6054, 0.2354, 0.2568

Background



This preview shows how black text looks on a background with the Yxy color 51.6054, 0.2354, 0.2568.



This preview shows how white text looks on a background with the Yxy color 51.6054, 0.2354, 0.2568.

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

51.6054, 0.2354, 0.2568

Protanopia

51.2022, 0.2609, 0.2572

Deuteranopia

51.3067, 0.2550, 0.2497



Tritanopia

51.8913, 0.2491, 0.3075

Trichromacy



Original Color

51.6054, 0.2354, 0.2568

Protanomaly

51.0610, 0.2503, 0.2560

Deuteranomaly

51.1148, 0.2470, 0.2517

Tritanomaly

51.4947, 0.2438, 0.2874

Monochromacy



Original Color

51.6054, 0.2354, 0.2568

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.6189, 0.2791, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6054, 0.2354, 0.2568 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(132, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 196, 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(132, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.6054, 0.2354, 0.2568 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(132, 196, 255) }
```

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

```
.border{ border-color:rgb(132, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6054, 0.2354, 0.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 196, 255) }
```

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

```
.background{ background-color: rgb(132,  
196, 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