

Converting Colors

$Yxy(54.6120, 0.2383, 0.2647)$

Have a look what the booklet for
Yxy(54.6120, 0.2383, 0.2647)
contains.

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Color

Yxy(54.6120, 0.2383, 0.2647)

Conversions

Conversions Part 1

Format	Color
Hex	87CAFF
RGB	135, 202, 255
RGB Percent	53%, 79%, 100%
CMY	0.4704, 0.2079, 0.0001
CMYK	0.47, 0.21, 0.00, 0.00
HSL	207°, 100%, 76%
HSV	207°, 47%, 100%
XYZ	49.1652, 54.6120, 102.5393
YIQ	188.0090, -56.9450, 2.2790

Conversions

Conversions Part 2

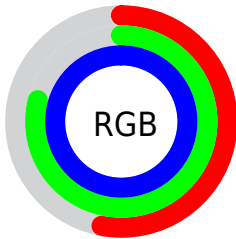
Format	Color
R _Y B	135, 178, 255
Decimal	8899327
CIE Lab	78.82, -7.33, -32.56
CIE LCh	79, 33.374, 257.319
Yxy	54.6120, 0.2383, 0.2647
Android (android.graphics.Color)	4287089407 (0xFF87CAFF)
YUV	188.0090, 33.0266, -46.4889
Hunter-Lab	73.8999, -10.5698, -30.5375

Details

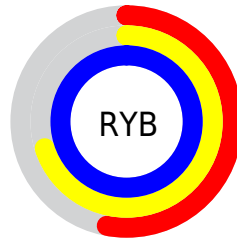
The Yxy color **54.6120, 0.2383, 0.2647** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.9887, 0.4142, 0.3841**, and the grayscale version is **50.1350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **26.7935, 0.2202, 0.2483** is the 20% darker color. If you saturate the color by 10%, you get **47.6505, 0.2237, 0.2480**, and if you desaturate by 10%, it is **62.4699, 0.2538, 0.2806**.

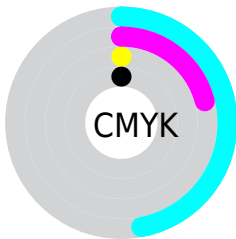
Distribution



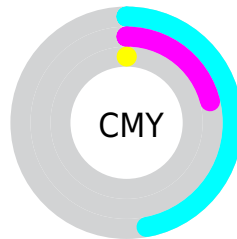
- Red (53%)
- Green (79%)
- Blue (100%)



- Red (53%)
- Yellow (70%)
- Blue (100%)



- Cyan (47%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6120, 0.2383, 0.2647 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 54.6120, 0.2383, 0.2647 by changing the saturation by 10% instead.

■ 54.6120, 0.2383,
0.2647

■ 54.6120, 0.2383,
0.2647

■ 404.4395, 0.2733,
0.2957

■ 39.0912, 0.2303,
0.2574

■ 96.9722, 0.2505,
0.2756

■ 26.8307, 0.2203,
0.2484

■ 124.5804, 0.2552,
0.2798

■ 17.4461, 0.2079,
0.2368

■ 156.9865, 0.2593,
0.2834

■ 10.5530, 0.1917,
0.2217

■ 194.5749, 0.2629,
0.2865

■ 5.7672, 0.1702,
0.2011

■ 237.7300, 0.2660,
0.2892

■ 2.7040, 0.1407,
0.1720

■ 286.8362, 0.2687,

■ 0.9792, 0.0992,

0.2916

0.1297

342.2779, 0.2711,
0.2938

0.0000, 0.0000,
0.0000

54.6120, 0.2383,
0.2647

54.6120, 0.2383,
0.2647

47.6505, 0.2237,
0.2480

62.4699, 0.2538,
0.2806

41.5344, 0.2106,
0.2307

71.2592, 0.2698,
0.2953

36.2156, 0.1993,
0.2132

81.0198, 0.2859,
0.3089

31.6363, 0.1903,
0.1960

91.7873, 0.3018,
0.3211

27.7249, 0.1836,
0.1794

99.9987, 0.3127,
0.3290

■ 26.6637, 0.1818,
0.1746

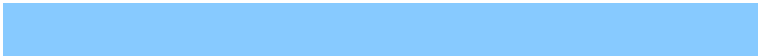
Harmonies

Analogous

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



54.6120, 0.2317, 0.2892



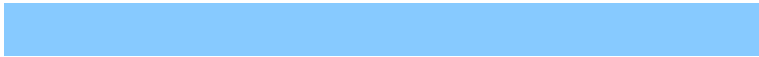
54.6120, 0.2383, 0.2647



54.6120, 0.2633, 0.2578

Triad

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



54.6120, 0.2383, 0.2647



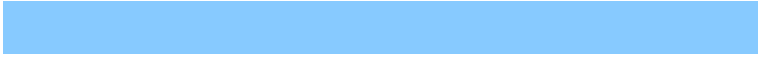
54.6120, 0.3850, 0.3233



54.6120, 0.3176, 0.4023

Complementary

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



54.6120, 0.2383, 0.2647



58.9887, 0.4142, 0.3841

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.



54.6120, 0.3602, 0.4080



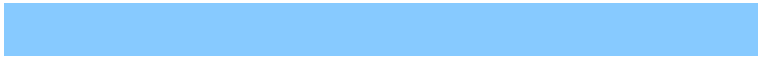
54.6120, 0.2383, 0.2647



54.6120, 0.4011, 0.3590

Square

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



54.6120, 0.2383, 0.2647



54.6120, 0.3479, 0.2909



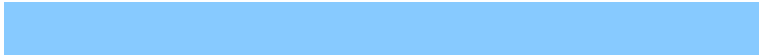
54.6120, 0.3913, 0.3904



54.6120, 0.2755, 0.3718

Rectangle

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



54.6120, 0.2383, 0.2647



54.6120, 0.2885, 0.2626



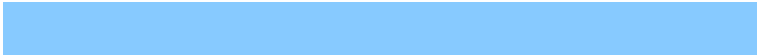
54.6120, 0.3913, 0.3904



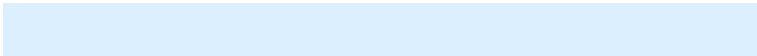
54.6120, 0.3323, 0.4071

Sweetspot

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



54.6140, 0.2383, 0.2647



84.1933, 0.2908, 0.3127



80.2511, 0.2812, 0.4124



17.5379, 0.2874, 0.3100



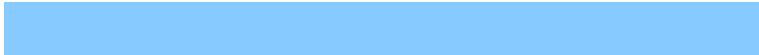
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



54.6140, 0.2383, 0.2647



48.3387, 0.2252, 0.2497



32.0337, 0.2245, 0.1899



19.0598, 0.2979, 0.3182



14.2375, 0.1826, 0.1773



1.6042, 0.1878, 0.1960

Inverse Universe

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



42.8633, 0.3684, 0.2607



36.6944, 0.3843, 0.2493



89.5190, 0.3857, 0.4379



18.1569, 0.3206, 0.3158



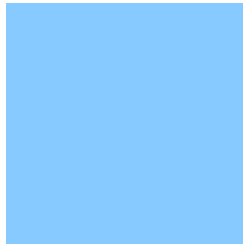
12.1653, 0.4718, 0.2373



1.2065, 0.4498, 0.2251

Previews

White Background



This preview shows how the Yxy color 54.6120, 0.2383, 0.2647 looks on a white background.

Color Contrast Check

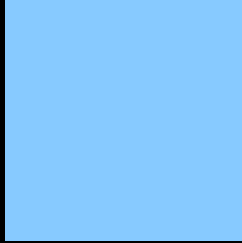
Large Text (above 18pt) WCAG AA × Fail

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 54.6120, 0.2383, 0.2647 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

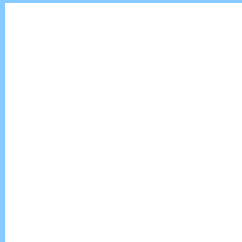
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.6120, 0.2383, 0.2647

Background



This preview shows how black text looks on a background with the Yxy color 54.6120, 0.2383, 0.2647.



This preview shows how white text looks on a background with the Yxy color 54.6120, 0.2383, 0.2647.

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

54.6120, 0.2383, 0.2647

Protanopia

54.1799, 0.2662, 0.2641

Deuteranopia

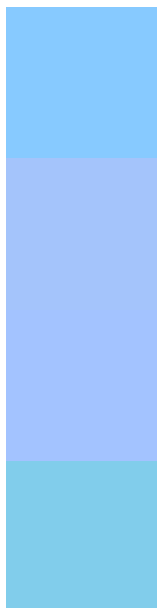
54.0653, 0.2614, 0.2557



Tritanopia

54.4431, 0.2500, 0.3067

Trichromacy



Original Color

54.6120, 0.2383, 0.2647

Protanomaly

54.3374, 0.2549, 0.2640

Deuteranomaly

54.0367, 0.2520, 0.2586

Tritanomaly

54.3279, 0.2455, 0.2907

Monochromacy



Original Color

54.6120, 0.2383, 0.2647

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.3284, 0.2811, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.6120, 0.2383, 0.2647 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, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 202, 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, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.6120, 0.2383, 0.2647 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, 202, 255) }
```

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

```
.border{ border-color:rgb(135, 202, 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, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.6120, 0.2383, 0.2647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 202, 255) }
```

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

```
.background{ background-color: rgb(135,  
202, 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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