

Converting Colors

$Y_{xy}(53.2120, 0.2363, 0.2594)$

Have a look what the booklet for
Yxy(53.2120, 0.2363, 0.2594)
contains.

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Color

Yxy(53.1352, 0.2371, 0.2608)

Conversions

Conversions Part 1

Format	Color
Hex	86C7FF
RGB	134, 199, 255
RGB Percent	53%, 78%, 100%
CMY	0.4743, 0.2196, 0.0001
CMYK	0.47, 0.22, 0.00, 0.00
HSL	208°, 100%, 76%
HSV	208°, 47%, 100%
XYZ	48.3066, 53.1352, 102.2975
YIQ	185.9490, -56.7160, 3.6360

Conversions

Conversions Part 2

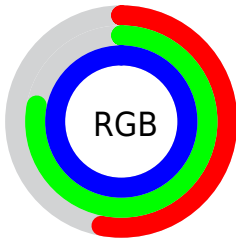
Format	Color
RYB	134, 176, 255
Decimal	8833023
CIELab	77.95, -5.96, -33.89
CIELCh	78, 34.413, 260.028
Yxy	53.1352, 0.2371, 0.2608
Android (android.graphics.Color)	4287023103 (0xFF86C7FF)
YUV	185.9490, 34.0421, -45.5593
Hunter-Lab	72.8939, -9.2729, -32.1804

Details

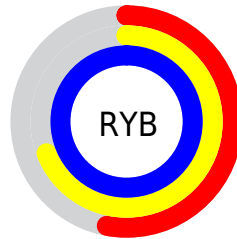
The Yxy color **53.1352, 0.2371, 0.2608** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.8151, 0.4139, 0.3871**, and the grayscale version is **48.9083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **25.8239, 0.2186, 0.2431** is the 20% darker color. If you saturate the color by 10%, you get **46.0654, 0.2223, 0.2432**, and if you desaturate by 10%, it is **61.1353, 0.2528, 0.2775**.

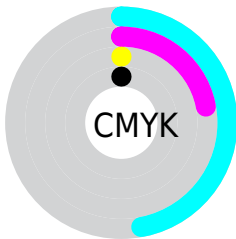
Distribution



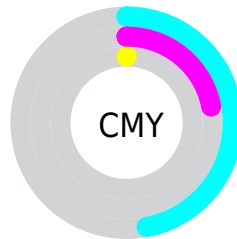
- Red (53%)
- Green (78%)
- Blue (100%)



- Red (53%)
- Yellow (69%)
- Blue (100%)



- Cyan (47%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1352, 0.2371, 0.2608 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 53.1352, 0.2371, 0.2608 by changing the saturation by 10% instead.


 53.1352, 0.2371,
0.2608


 53.1352, 0.2371,
0.2608


398.8036, 0.2728,
0.2936


 37.9107, 0.2289,
0.2531

 94.8033, 0.2496,
0.2724

 25.9134, 0.2187,
0.2435


 122.0157, 0.2544,
0.2768

 16.7589, 0.2059,
0.2313


 153.9928, 0.2586,
0.2806

 10.0627, 0.1893,
0.2153


191.1191, 0.2622,
0.2839

 5.4406, 0.1672,
0.1936

233.7789, 0.2653,
0.2868

 2.5080, 0.1370,
0.1633

282.3567, 0.2681,

 0.8806, 0.0940,

0.2894

0.1197

337.2368, 0.2706,
0.2916

0.0000, 0.0000,
0.0000

53.1352, 0.2371,
0.2608

53.1352, 0.2371,
0.2608

46.0654, 0.2223,
0.2432

61.1353, 0.2528,
0.2775

39.8735, 0.2089,
0.2250

70.1022, 0.2690,
0.2931

34.5097, 0.1974,
0.2067

80.0771, 0.2853,
0.3074

29.9146, 0.1882,
0.1887

91.0967, 0.3012,
0.3203

26.0131, 0.1813,
0.1715

99.9985, 0.3127,
0.3290

■ 25.0961, 0.1798,
0.1672

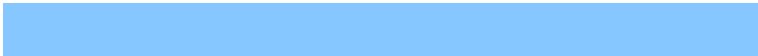
Harmonies

Analogous

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



53.1352, 0.2285, 0.2845



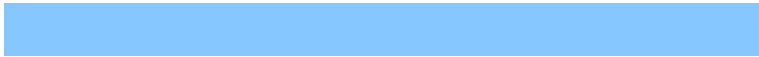
53.1352, 0.2371, 0.2608



53.1352, 0.2646, 0.2554

Triad

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



53.1352, 0.2371, 0.2608



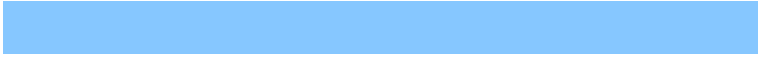
53.1352, 0.3905, 0.3263



53.1352, 0.3134, 0.4036

Complementary

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



53.1352, 0.2371, 0.2608



59.8151, 0.4139, 0.3871

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.



53.1352, 0.3582, 0.4118



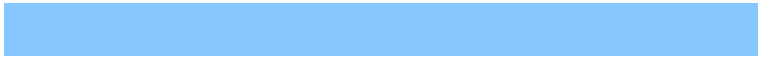
53.1352, 0.2371, 0.2608



53.1352, 0.4048, 0.3631

Square

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



53.1352, 0.2371, 0.2608



53.1352, 0.3534, 0.2921



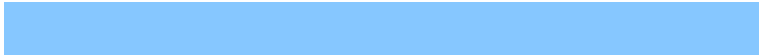
53.1352, 0.3923, 0.3950



53.1352, 0.2704, 0.3698

Rectangle

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



53.1352, 0.2371, 0.2608



53.1352, 0.2914, 0.2614



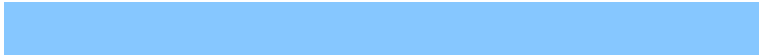
53.1352, 0.3923, 0.3950



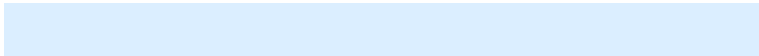
53.1352, 0.3288, 0.4095

Sweetspot

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



53.1372, 0.2371, 0.2608



83.7526, 0.2908, 0.3120



80.2284, 0.2801, 0.4106



17.4305, 0.2873, 0.3091



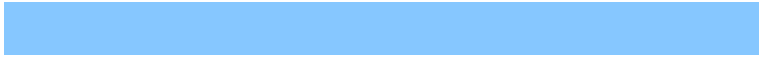
0.0000, 0.0000, 0.0000



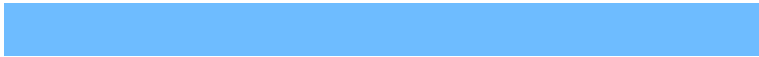
21.4041, 0.3127, 0.3290

Same Dimension

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



53.1372, 0.2371, 0.2608



46.3592, 0.2229, 0.2439



31.0737, 0.2233, 0.1861



18.9939, 0.2979, 0.3177



13.4181, 0.1806, 0.1700



1.5252, 0.1860, 0.1894

Inverse Universe

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



42.4419, 0.3718, 0.2627



35.9552, 0.3898, 0.2511



90.6865, 0.3855, 0.4403



18.1502, 0.3210, 0.3163



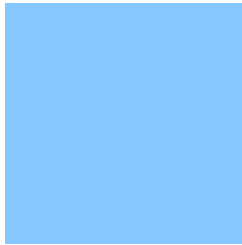
12.0825, 0.4807, 0.2422



1.1985, 0.4574, 0.2293

Previews

White Background



This preview shows how the Yxy color 53.1352, 0.2371, 0.2608 looks on a white background.

Color Contrast Check

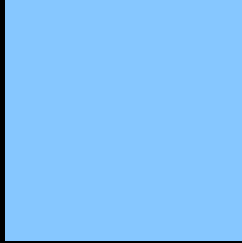
Large Text (above 18pt) WCAG AA × Fail

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 53.1352, 0.2371, 0.2608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

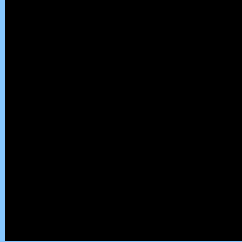
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

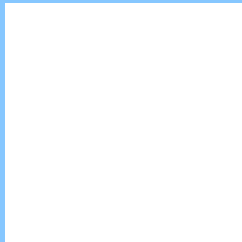
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1352, 0.2371, 0.2608

Background



This preview shows how black text looks on a background with the Yxy color 53.1352, 0.2371, 0.2608.



This preview shows how white text looks on a background with the Yxy color 53.1352, 0.2371, 0.2608.

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

53.1352, 0.2371, 0.2608

Protanopia

52.9513, 0.2639, 0.2613

Deuteranopia

52.7292, 0.2585, 0.2528



Tritanopia

53.2217, 0.2495, 0.3065

Trichromacy



Original Color

53.1352, 0.2371, 0.2608

Protanomaly

52.6820, 0.2526, 0.2600

Deuteranomaly

52.8335, 0.2499, 0.2558

Tritanomaly

53.2416, 0.2450, 0.2892

Monochromacy



Original Color

53.1352, 0.2371, 0.2608

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.1802, 0.2801, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1352, 0.2371, 0.2608 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(134, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 199, 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(134, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.1352, 0.2371, 0.2608 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(134, 199, 255) }
```

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

```
.border{ border-color:rgb(134, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1352, 0.2371, 0.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 199, 255) }
```

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

```
.background{ background-color: rgb(134,  
199, 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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