

Converting Colors

$Y_{xy}(53.5487, 0.2378, 0.2618)$

Have a look what the booklet for
Yxy(53.5487, 0.2378, 0.2618)
contains.

Yxy(53.6794, 0.2378, 0.2621)	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(53.6794, 0.2378, 0.2621)

Conversions

Conversions Part 1

Format	Color
Hex	87C8FF
RGB	135, 200, 255
RGB Percent	53%, 78%, 100%
CMY	0.4705, 0.2157, 0.0000
CMYK	0.47, 0.22, 0.00, 0.00
HSL	208°, 100%, 76%
HSV	208°, 47%, 100%
XYZ	48.7026, 53.6794, 102.4230
YIQ	186.8350, -56.3950, 3.3250

Conversions

Conversions Part 2

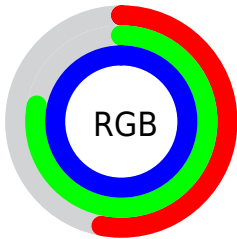
Format	Color
RYB	135, 177, 255
Decimal	8898815
CIELab	78.27, -6.25, -33.42
CIElCh	78, 34.001, 259.408
Yxy	53.6794, 0.2378, 0.2621
Android (android.graphics.Color)	4287088895 (0xFF87C8FF)
YUV	186.8350, 33.6053, -45.4593
Hunter-Lab	73.2662, -9.5607, -31.5985

Details

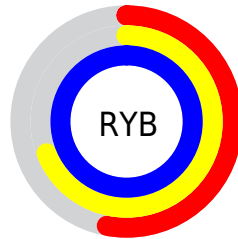
The Yxy color **53.6794, 0.2378, 0.2621** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.8547, 0.4131, 0.3861**, and the grayscale version is **49.4309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **26.1715, 0.2195, 0.2449** is the 20% darker color. If you saturate the color by 10%, you get **46.6010, 0.2230, 0.2447**, and if you desaturate by 10%, it is **61.6792, 0.2535, 0.2786**.

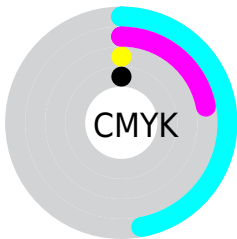
Distribution



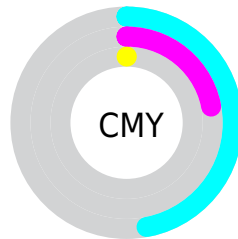
- Red (53%)
- Green (78%)
- Blue (100%)



- 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 53.6794, 0.2378, 0.2621 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 53.6794, 0.2378, 0.2621 by changing the saturation by 10% instead.

■ 53.6794, 0.2378,
0.2621

■ 53.6794, 0.2378,
0.2621

■ 400.8863, 0.2732,
0.2943

■ 38.3454, 0.2297,
0.2545

■ 95.6034, 0.2501,
0.2734

■ 26.2509, 0.2196,
0.2452

■ 122.9621, 0.2549,
0.2778

■ 17.0114, 0.2070,
0.2332

■ 155.0979, 0.2590,
0.2816

■ 10.2426, 0.1906,
0.2175

■ 192.3951, 0.2626,
0.2848

■ 5.5601, 0.1688,
0.1962

■ 235.2382, 0.2657,
0.2876

■ 2.5795, 0.1388,
0.1663

■ 284.0115, 0.2685,

■ 0.9164, 0.0965,

0.2901

0.1232

339.0994, 0.2710,
0.2923

0.0000, 0.0000,
0.0000

53.6794, 0.2378,
0.2621

53.6794, 0.2378,
0.2621

46.6010, 0.2230,
0.2447

61.6792, 0.2535,
0.2786

40.3969, 0.2096,
0.2267

70.6413, 0.2697,
0.2940

35.0164, 0.1981,
0.2086

80.6051, 0.2859,
0.3081

30.4004, 0.1889,
0.1907

91.6070, 0.3018,
0.3208

26.4762, 0.1820,
0.1736

100.0000, 0.3127,
0.3290

■ 25.4197, 0.1802,
0.1687

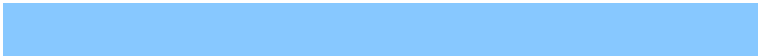
Harmonies

Analogous

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



53.6794, 0.2297, 0.2859



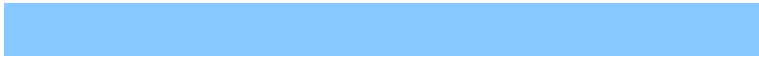
53.6794, 0.2378, 0.2621



53.6794, 0.2646, 0.2564

Triad

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



53.6794, 0.2378, 0.2621



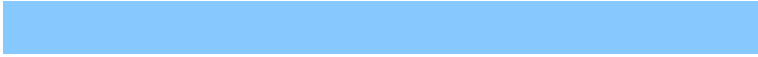
53.6794, 0.3887, 0.3256



53.6794, 0.3144, 0.4028

Complementary

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



53.6794, 0.2378, 0.2621



59.8547, 0.4131, 0.3861

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.



53.6794, 0.3584, 0.4104



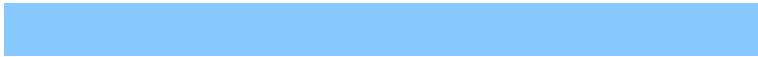
53.6794, 0.2378, 0.2621



53.6794, 0.4034, 0.3620

Square

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



53.6794, 0.2378, 0.2621



53.6794, 0.3519, 0.2920



53.6794, 0.3916, 0.3936



53.6794, 0.2718, 0.3700

Rectangle

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



53.6794, 0.2378, 0.2621



53.6794, 0.2909, 0.2620



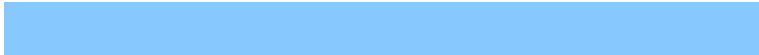
53.6794, 0.3916, 0.3936



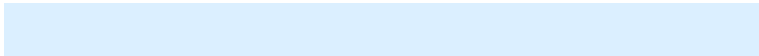
53.6794, 0.3295, 0.4084

Sweetspot

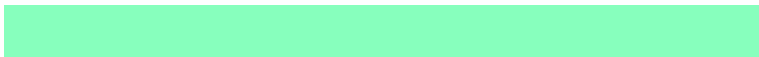
The Sweet Spot groups the original color and five complimentary colors.



53.6797, 0.2378, 0.2621



83.8438, 0.2908, 0.3121



80.3487, 0.2802, 0.4098



17.4527, 0.2873, 0.3093



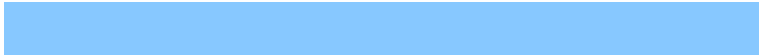
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



53.6797, 0.2378, 0.2621



47.2991, 0.2245, 0.2466



31.4333, 0.2241, 0.1874



19.0075, 0.2979, 0.3178



13.5847, 0.1810, 0.1715



1.5413, 0.1863, 0.1908

Inverse Universe

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



42.7675, 0.3706, 0.2627



36.5895, 0.3871, 0.2516



90.7627, 0.3849, 0.4395



18.1516, 0.3209, 0.3162



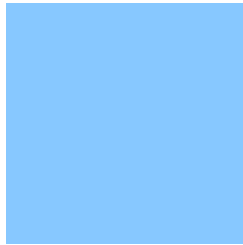
12.0994, 0.4788, 0.2412



1.2001, 0.4558, 0.2285

Previews

White Background



This preview shows how the Yxy color 53.6794, 0.2378, 0.2621 looks on a white background.

Color Contrast Check

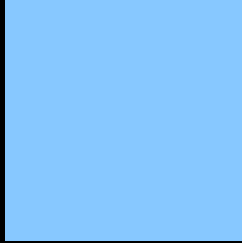
Large Text (above 18pt) WCAG AA × Fail

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 53.6794, 0.2378, 0.2621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

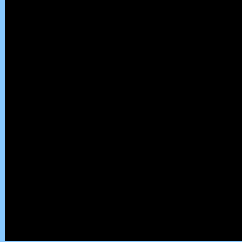
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

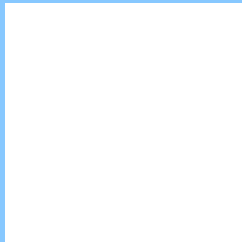
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.6794, 0.2378, 0.2621

Background



This preview shows how black text looks on a background with the Yxy color 53.6794, 0.2378, 0.2621.



This preview shows how white text looks on a background with the Yxy color 53.6794, 0.2378, 0.2621.

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

53.6794, 0.2378, 0.2621

Protanopia

53.5039, 0.2647, 0.2626

Deuteranopia

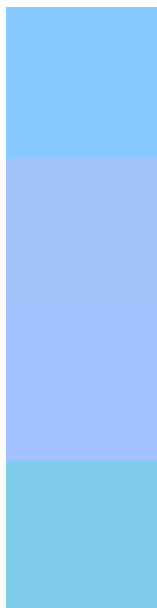
53.3940, 0.2599, 0.2542



Tritanopia

53.7765, 0.2503, 0.3079

Trichromacy



Original Color

53.6794, 0.2378, 0.2621

Protanomaly

53.2300, 0.2534, 0.2614

Deuteranomaly

53.4850, 0.2513, 0.2573

Tritanomaly

53.7934, 0.2458, 0.2906

Monochromacy



Original Color

53.6794, 0.2378, 0.2621

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.7776, 0.2803, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6794, 0.2378, 0.2621 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, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 200, 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, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.6794, 0.2378, 0.2621 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, 200, 255) }
```

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

```
.border{ border-color:rgb(135, 200, 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, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6794, 0.2378, 0.2621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 200, 255) }
```

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

```
.background{ background-color: rgb(135,  
200, 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