

Converting Colors

$Yxy(54.3114, 0.2142, 0.2716)$

Have a look what the booklet for
Yxy(54.3114, 0.2142, 0.2716)
contains.

Yxy(54.1830, 0.2142, 0.2712)	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(54.1830, 0.2142, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	39D2FF
RGB	57, 210, 255
RGB Percent	22%, 82%, 100%
CMY	0.7754, 0.1765, 0.0000
CMYK	0.78, 0.18, 0.00, 0.00
HSL	194°, 100%, 61%
HSV	194°, 78%, 100%
XYZ	42.7950, 54.1830, 102.8118
YIQ	169.3830, -105.6330, -18.4410

Conversions

Conversions Part 2

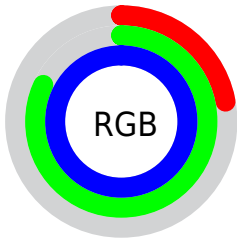
Format	Color
RYB	57, 143, 255
Decimal	3789567
CIELab	78.57, -24.40, -33.16
CIELCh	79, 41.170, 233.660
Yxy	54.1830, 0.2142, 0.2712
Android (android.graphics.Color)	4281979647 (0xFF39D2FF)
YUV	169.3830, 42.2092, -98.5599
Hunter-Lab	73.6091, -25.0393, -31.2856

Details

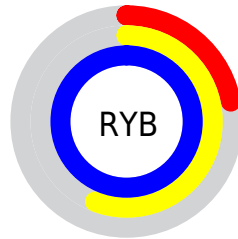
The Yxy color **54.1830, 0.2142, 0.2712** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.1171, 0.5480, 0.3647**, and the grayscale version is **39.7402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **27.5199, 0.2048, 0.2572** is the 20% darker color. If you saturate the color by 10%, you get **50.7958, 0.2083, 0.2627**, and if you desaturate by 10%, it is **58.0540, 0.2221, 0.2797**.

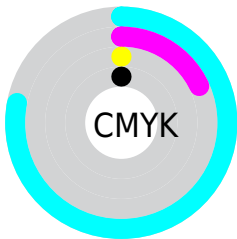
Distribution



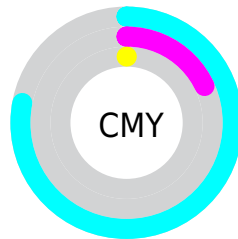
- Red (22%)
- Green (82%)
- Blue (100%)



- Red (22%)
- Yellow (56%)
- Blue (100%)



- Cyan (78%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (78%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.1830, 0.2142, 0.2712 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 54.1830, 0.2142, 0.2712 by changing the saturation by 10% instead.


 54.1830, 0.2142,
0.2712

 54.1830, 0.2142,
0.2712


402.8075, 0.2598,
0.3002


 38.7480, 0.2040,
0.2642


 96.3429, 0.2299,
0.2816

 26.5637, 0.1915,
0.2553


 123.8366, 0.2361,
0.2856

 17.2458, 0.1759,
0.2438


 156.1186, 0.2414,
0.2889

 10.4099, 0.1563,
0.2284

 193.5733, 0.2460,
0.2918

 5.6716, 0.1310,
0.2072

236.5852, 0.2501,
0.2943

 2.6464, 0.0982,
0.1766

285.5385, 0.2537,

 0.9501, 0.0430,

0.2965

0.1335

340.8178, 0.2569,
0.2984

■ 0.0000, 0.0000,
0.0000

■ 54.1830, 0.2142,
0.2712

■ 54.1830, 0.2142,
0.2712

■ 50.7958, 0.2083,
0.2627

■ 58.0540, 0.2221,
0.2797

■ 47.8212, 0.2043,
0.2543

■ 62.4542, 0.2320,
0.2881

■ 47.1293, 0.2034,
0.2523

■ 67.4283, 0.2436,
0.2963

■ 73.0143, 0.2566,
0.3041

■ 79.2465, 0.2707,
0.3115

■ 86.1563, 0.2856,
0.3184

■ 93.7730, 0.3010,
0.3246

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



54.1830, 0.2244, 0.3160



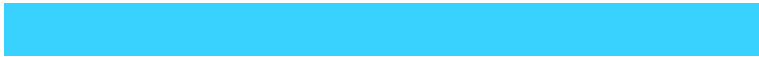
54.1830, 0.2142, 0.2712



54.1830, 0.2269, 0.2469

Triad

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



54.1830, 0.2142, 0.2712



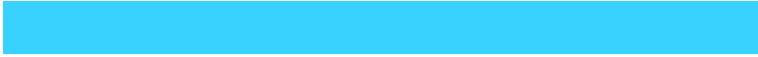
54.1830, 0.3672, 0.2900



54.1830, 0.3597, 0.4284

Complementary

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



54.1830, 0.2142, 0.2712



31.1171, 0.5480, 0.3647

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.



54.1830, 0.4027, 0.4098



54.1830, 0.2142, 0.2712



54.1830, 0.4091, 0.3301

Square

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



54.1830, 0.2142, 0.2712



54.1830, 0.3117, 0.2593



54.1830, 0.4219, 0.3729



54.1830, 0.3062, 0.4156

Rectangle

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



54.1830, 0.2142, 0.2712



54.1830, 0.2474, 0.2425



54.1830, 0.4219, 0.3729



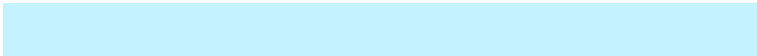
54.1830, 0.3759, 0.4252

Sweetspot

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



54.1847, 0.2142, 0.2712



82.2978, 0.2774, 0.3147



73.3202, 0.2898, 0.5343



17.0930, 0.2721, 0.3122



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.



54.1847, 0.2142, 0.2712



49.1263, 0.2059, 0.2581



19.9742, 0.1799, 0.1399



19.7388, 0.2980, 0.3235



24.8621, 0.2038, 0.2536



2.5838, 0.2065, 0.2632

Inverse Universe

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



28.8658, 0.3700, 0.1965



25.9054, 0.3839, 0.1913



62.3945, 0.4540, 0.4539



18.2254, 0.3173, 0.3108



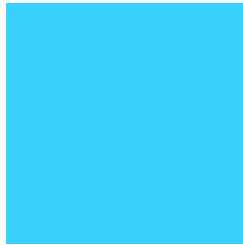
13.2378, 0.3886, 0.1914



1.3054, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 54.1830, 0.2142, 0.2712 looks on a white background.

Color Contrast Check

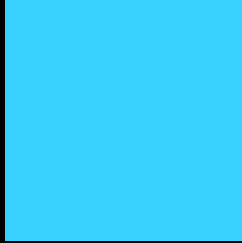
Large Text (above 18pt) WCAG AA × Fail

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 54.1830, 0.2142, 0.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

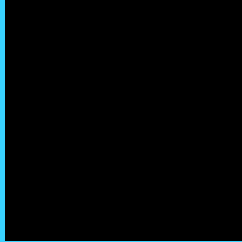
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.1830, 0.2142, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 54.1830, 0.2142, 0.2712.

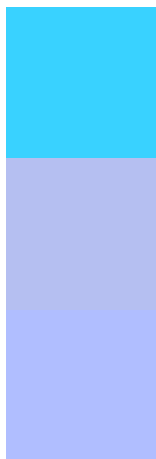


This preview shows how white text looks on a background with the Yxy color 54.1830, 0.2142, 0.2712.

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

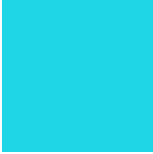
54.1830, 0.2142, 0.2712

Protanopia

53.4362, 0.2709, 0.2703

Deuteranopia

53.2770, 0.2593, 0.2541



Tritanopia

54.1540, 0.2203, 0.3056

Trichromacy



Original Color

54.1830, 0.2142, 0.2712



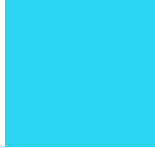
Protanomaly

52.2762, 0.2421, 0.2694



Deuteranomaly

52.1391, 0.2361, 0.2581



Tritanomaly

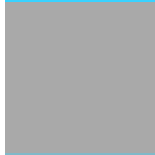
54.3512, 0.2179, 0.2929

Monochromacy



Original Color

54.1830, 0.2142, 0.2712



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

43.0403, 0.2595, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1830, 0.2142, 0.2712 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(57, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(57, 210, 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(57, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 210, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.1830, 0.2142, 0.2712 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(57, 210, 255) }
```

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

```
.border{ border-color:rgb(57, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(57, 210,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1830, 0.2142, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 210, 255) }
```

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

```
.background{ background-color: rgb(57, 210,  
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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