

Converting Colors

$Y_{xy}(53.1411, 0.2140, 0.2747)$

Have a look what the booklet for
Yxy(53.1411, 0.2140, 0.2747)
contains.

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Color

Yxy(53.1812, 0.2143, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	32D1FA
RGB	50, 209, 250
RGB Percent	20%, 82%, 98%
CMY	0.8029, 0.1804, 0.0195
CMYK	0.80, 0.16, 0.00, 0.02
HSL	192°, 95%, 59%
HSV	192°, 80%, 98%
XYZ	41.3825, 53.1812, 98.5416
YIQ	166.1330, -107.9250, -20.9570

Conversions

Conversions Part 2

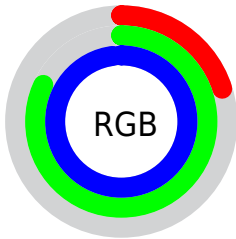
Format	Color
RYB	50, 139, 250
Decimal	3330554
CIELab	77.98, -26.13, -31.42
CIElCh	78, 40.866, 230.249
Yxy	53.1812, 0.2143, 0.2754
Android (android.graphics.Color)	4281520634 (0xFF32D1FA)
YUV	166.1330, 41.3464, -101.8486
Hunter-Lab	72.9254, -26.3274, -29.0687

Details

The Yxy color **53.1812, 0.2143, 0.2754** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **28.0928, 0.5610, 0.3600**, and the grayscale version is **38.0734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **26.9615, 0.2063, 0.2626** is the 20% darker color. If you saturate the color by 10%, you get **50.2288, 0.2091, 0.2678**, and if you desaturate by 10%, it is **56.5655, 0.2214, 0.2830**.

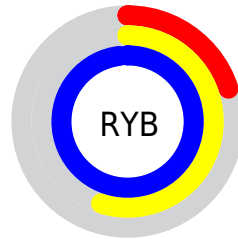
Distribution



Red (20%)

Green (82%)

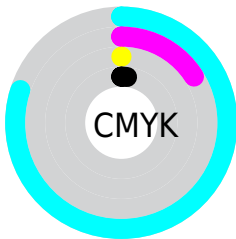
Blue (98%)



Red (20%)

Yellow (55%)

Blue (98%)

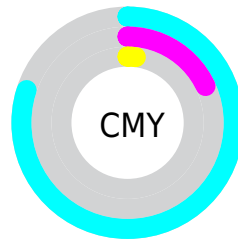


Cyan (80%)

Magenta (16%)

Yellow (0%)

Black (2%)



Cyan (80%)


Magenta (18%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1812, 0.2143, 0.2754 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 53.1812, 0.2143, 0.2754 by changing the saturation by 10% instead.


 53.1812, 0.2143,
0.2754


 53.1812, 0.2143,
0.2754


398.9799, 0.2601,
0.3026


 37.9474, 0.2040,
0.2687


 94.8709, 0.2301,
0.2852

 25.9419, 0.1914,
0.2602

 122.0957, 0.2363,
0.2890

 16.7802, 0.1756,
0.2491


 154.0863, 0.2416,
0.2921

 10.0779, 0.1557,
0.2342

 191.2271, 0.2463,
0.2948

 5.4506, 0.1299,
0.2132

233.9024, 0.2504,
0.2971

 2.5140, 0.0963,
0.1827

282.4967, 0.2540,

 0.8836, 0.0319,

0.2992

0.1396

337.3945, 0.2572,
0.3010

■ 0.0000, 0.0000,
0.0000

■ 53.1812, 0.2143,
0.2754

■ 53.1812, 0.2143,
0.2754

■ 50.2288, 0.2091,
0.2678

■ 56.5655, 0.2214,
0.2830

■ 47.6215, 0.2057,
0.2604

■ 60.4262, 0.2305,
0.2906

■ 47.5955, 0.2056,
0.2603

■ 64.8072, 0.2414,
0.2979

■ 69.7456, 0.2539,
0.3050

■ 75.2744, 0.2676,
0.3117

81.4239, 0.2822,
0.3180

88.2221, 0.2974,
0.3238

95.6952, 0.3129,
0.3291

99.6834, 0.3156,
0.3338

Harmonies

Analogous

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



53.1812, 0.2272, 0.3221



53.1812, 0.2143, 0.2754



53.1812, 0.2244, 0.2486

Triad

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



53.1812, 0.2143, 0.2754



53.1812, 0.3611, 0.2859



53.1812, 0.3653, 0.4276

Complementary

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



53.1812, 0.2143, 0.2754



28.0928, 0.5610, 0.3600

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.



53.1812, 0.4062, 0.4062



53.1812, 0.2143, 0.2754



53.1812, 0.4055, 0.3252

Square

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



53.1812, 0.2143, 0.2754



53.1812, 0.3054, 0.2568



53.1812, 0.4220, 0.3681



53.1812, 0.3123, 0.4187

Rectangle

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



53.1812, 0.2143, 0.2754



53.1812, 0.2433, 0.2427



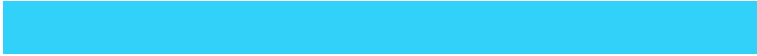
53.1812, 0.4220, 0.3681



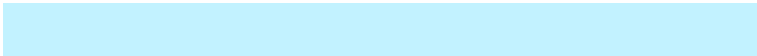
53.1812, 0.3810, 0.4232

Sweetspot

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



53.1831, 0.2143, 0.2754



82.4228, 0.2761, 0.3155



69.8101, 0.2911, 0.5436



17.1556, 0.2709, 0.3132



0.0000, 0.0000, 0.0000



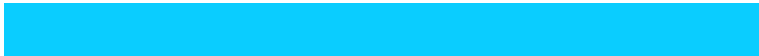
21.4041, 0.3127, 0.3290

Same Dimension

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



53.1831, 0.2143, 0.2754



50.8127, 0.2069, 0.2632



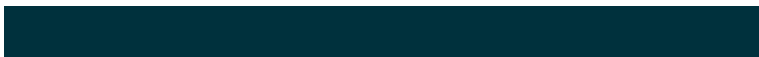
18.7809, 0.1781, 0.1383



18.9675, 0.2980, 0.3240



25.4544, 0.2060, 0.2615



2.5048, 0.2085, 0.2705

Inverse Universe

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



27.2342, 0.3664, 0.1916



25.8755, 0.3792, 0.1875



57.4272, 0.4605, 0.4524



17.4599, 0.3170, 0.3104



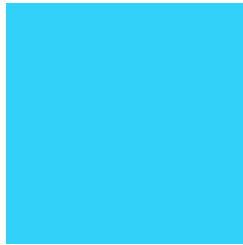
12.9805, 0.3809, 0.1872



1.2171, 0.3724, 0.1825

Previews

White Background



This preview shows how the Yxy color 53.1812, 0.2143, 0.2754 looks on a white background.

Color Contrast Check

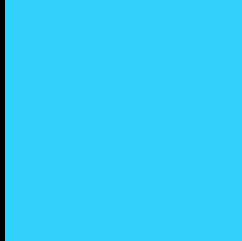
Large Text (above 18pt) WCAG AA × Fail

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 53.1812, 0.2143, 0.2754 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 53.1812, 0.2143, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 53.1812, 0.2143, 0.2754.



This preview shows how white text looks on a background with the Yxy color 53.1812, 0.2143, 0.2754.

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

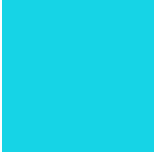
53.1812, 0.2143, 0.2754

Protanopia

52.1546, 0.2731, 0.2731

Deuteranopia

52.3004, 0.2584, 0.2516



Tritanopia

52.9707, 0.2190, 0.3041

Trichromacy



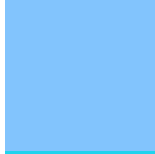
Original Color

53.1812, 0.2143, 0.2754



Protanomaly

50.8173, 0.2425, 0.2721



Deuteranomaly

51.3175, 0.2353, 0.2587



Tritanomaly

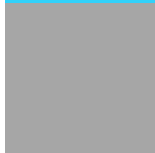
53.0100, 0.2171, 0.2937

Monochromacy



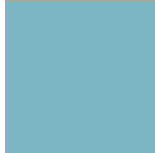
Original Color

53.1812, 0.2143, 0.2754



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.7722, 0.2584, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1812, 0.2143, 0.2754 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(50, 209, 250)` looks like.

```
.text, #text, p{  
    color:rgb(50, 209, 250)  
}
```

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(50, 209, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 209, 250) }
```

Border

The CSS property to change the border of an element to Yxy 53.1812, 0.2143, 0.2754 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(50, 209, 250) }
```

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

```
.border{ border-color:rgb(50, 209, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 209, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 209, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 209, 250);  
box-shadow:4px 4px 4px 4px rgb(50, 209,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1812, 0.2143, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 209, 250) }
```

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

```
.background{ background-color: rgb(50, 209,  
250) }
```

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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