

Converting Colors

$Y_{xy}(47.7091, 0.2106, 0.2581)$

Have a look what the booklet for
Yxy(47.7091, 0.2106, 0.2581)
contains.

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Color

Yxy(47.7098, 0.2105, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	37C5FB
RGB	55, 197, 251
RGB Percent	22%, 77%, 98%
CMY	0.7837, 0.2275, 0.0158
CMYK	0.78, 0.22, 0.00, 0.02
HSL	197°, 96%, 60%
HSV	197°, 78%, 98%
XYZ	38.9562, 47.7098, 98.3991
YIQ	160.6980, -101.9660, -13.3100

Conversions

Conversions Part 2

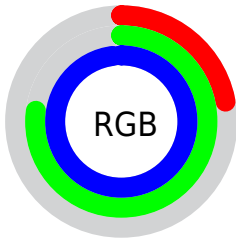
Format	Color
RYB	55, 137, 251
Decimal	3655163
CIELab	74.64, -19.29, -37.08
CIELCh	75, 41.802, 242.519
Yxy	47.7098, 0.2105, 0.2578
Android (android.graphics.Color)	4281845243 (0xFF37C5FB)
YUV	160.6980, 44.5189, -92.6971
Hunter-Lab	69.0723, -20.2039, -36.1129

Details

The Yxy color **47.7098, 0.2105, 0.2578** 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 **31.7450, 0.5404, 0.3733**, and the grayscale version is **35.3380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8494, 0.2480, 0.3277**, and **23.5400, 0.2003, 0.2411** is the 20% darker color. If you saturate the color by 10%, you get **44.1020, 0.2040, 0.2473**, and if you desaturate by 10%, it is **51.8252, 0.2191, 0.2683**.

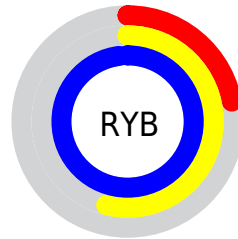
Distribution



Red (22%)

Green (77%)

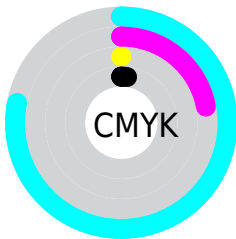
Blue (98%)



Red (22%)

Yellow (54%)

Blue (98%)

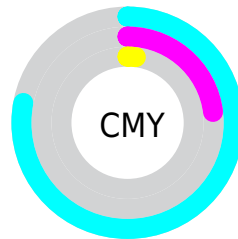


Cyan (78%)

Magenta (22%)

Yellow (0%)

Black (2%)



Cyan (78%)


Magenta (23%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7098, 0.2105, 0.2578 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 47.7098, 0.2105, 0.2578 by changing the saturation by 10% instead.


 47.7098, 0.2105,
0.2578

 47.7098, 0.2105,
0.2578


377.6407, 0.2587,
0.2935


 33.5971, 0.1995,
0.2491


 86.7722, 0.2273,
0.2706


 22.5843, 0.1860,
0.2382


 112.4907, 0.2338,
0.2755

 14.2868, 0.1692,
0.2241


 142.8465, 0.2394,
0.2796

 8.3204, 0.1479,
0.2054

 178.2242, 0.2443,
0.2832

 4.3007, 0.1204,
0.1797

219.0081, 0.2486,
0.2863

 1.8431, 0.0850,
0.1437

265.5825, 0.2523,

 0.5138, 0.0030,

0.2890

0.0893

318.3319, 0.2557,
0.2914

■ 0.0000, 0.0000,
0.0000

■ 47.7098, 0.2105,
0.2578

■ 47.7098, 0.2105,
0.2578

■ 44.1020, 0.2040,
0.2473

■ 51.8252, 0.2191,
0.2683

■ 40.9296, 0.1994,
0.2370

■ 56.4931, 0.2295,
0.2787

■ 40.3364, 0.1986,
0.2350

■ 61.7577, 0.2417,
0.2887

■ 67.6565, 0.2552,
0.2983

■ 74.2233, 0.2697,
0.3074

■ 81.4894, 0.2848,
0.3157

■ 89.4837, 0.3003,
0.3234

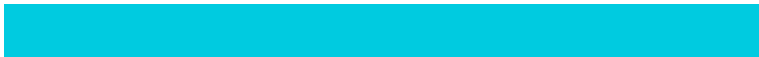
■ 98.0568, 0.3152,
0.3303

■ 99.7433, 0.3150,
0.3328

Harmonies

Analogous

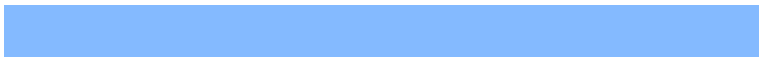
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.7098, 0.2140, 0.2990



47.7098, 0.2105, 0.2578



47.7098, 0.2306, 0.2393

Triad

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



47.7098, 0.2105, 0.2578



47.7098, 0.3859, 0.2994



47.7098, 0.3457, 0.4345

Complementary

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



47.7098, 0.2105, 0.2578



31.7450, 0.5404, 0.3733

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.



47.7098, 0.3962, 0.4227



47.7098, 0.2105, 0.2578



47.7098, 0.4225, 0.3430

Square

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



47.7098, 0.2105, 0.2578



47.7098, 0.3291, 0.2638



47.7098, 0.4255, 0.3874



47.7098, 0.2890, 0.4102

Rectangle

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



47.7098, 0.2105, 0.2578



47.7098, 0.2563, 0.2390



47.7098, 0.4255, 0.3874



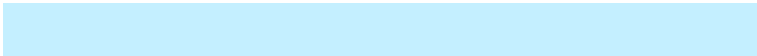
47.7098, 0.3640, 0.4342

Sweetspot

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



47.7115, 0.2105, 0.2578



80.6388, 0.2772, 0.3116



70.8632, 0.2865, 0.5239



16.6873, 0.2717, 0.3086



0.0000, 0.0000, 0.0000



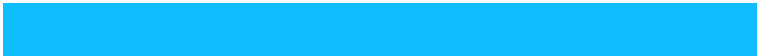
21.4041, 0.3127, 0.3290

Same Dimension

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



47.7115, 0.2105, 0.2578



43.6900, 0.2010, 0.2411



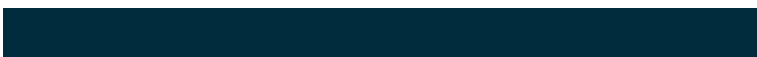
17.0562, 0.1764, 0.1273



18.7521, 0.2980, 0.3223



21.4641, 0.1991, 0.2367



2.1652, 0.2025, 0.2490

Inverse Universe

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



27.2818, 0.3826, 0.2038



25.2814, 0.4009, 0.2003



64.5785, 0.4462, 0.4621



17.4381, 0.3180, 0.3120



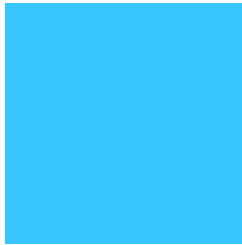
12.5777, 0.4057, 0.2009



1.1828, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 47.7098, 0.2105, 0.2578 looks on a white background.

Color Contrast Check

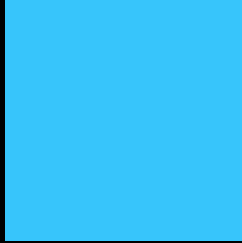
Large Text (above 18pt) WCAG AA × Fail

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 47.7098, 0.2105, 0.2578 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

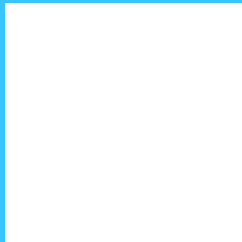
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7098, 0.2105, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 47.7098, 0.2105, 0.2578.



This preview shows how white text looks on a background with the Yxy color 47.7098, 0.2105, 0.2578.

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

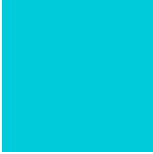
47.7098, 0.2105, 0.2578

Protanopia

47.0311, 0.2618, 0.2582

Deuteranopia

47.0306, 0.2457, 0.2394



Tritanopia

47.8263, 0.2183, 0.3058

Trichromacy



Original Color

47.7098, 0.2105, 0.2578

Protanomaly

46.0245, 0.2355, 0.2560

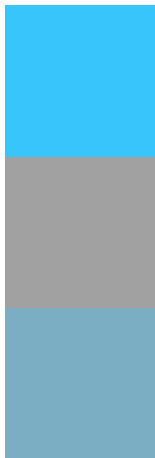
Deuteranomaly

46.2666, 0.2275, 0.2437

Tritanomaly

47.6915, 0.2142, 0.2869

Monochromacy



Original Color

47.7098, 0.2105, 0.2578

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

38.3781, 0.2579, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7098, 0.2105, 0.2578 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(55, 197, 251)` looks like.

```
.text, #text, p{  
    color:rgb(55, 197, 251)  
}
```

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(55, 197, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 197, 251) }
```

Border

The CSS property to change the border of an element to Yxy 47.7098, 0.2105, 0.2578 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(55, 197, 251) }
```

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

```
.border{ border-color:rgb(55, 197, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 197, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 197, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 197, 251);  
box-shadow:4px 4px 4px 4px rgb(55, 197,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7098, 0.2105, 0.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 197, 251) }
```

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

```
.background{ background-color: rgb(55, 197,  
251) }
```

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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