

Converting Colors

$Yxy(46.8975, 0.2128, 0.2587)$

Have a look what the booklet for
Yxy(46.8975, 0.2128, 0.2587)
contains.

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Color

Yxy(46.8975, 0.2128, 0.2587)

Conversions

Conversions Part 1

Format	Color
Hex	40C3F8
RGB	64, 195, 248
RGB Percent	25%, 76%, 97%
CMY	0.7484, 0.2353, 0.0275
CMYK	0.74, 0.21, 0.00, 0.03
HSL	197°, 93%, 61%
HSV	197°, 74%, 97%
XYZ	38.5767, 46.8975, 95.8072
YIQ	161.8730, -95.0890, -11.2890

Conversions

Conversions Part 2

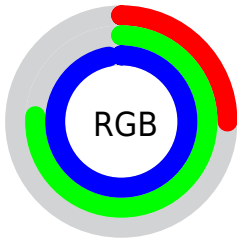
Format	Color
R _{YB}	64, 141, 248
Decimal	4244472
CIE Lab	74.12, -18.27, -36.26
CIE LCh	74, 40.606, 243.261
Yxy	46.8975, 0.2128, 0.2587
Android (android.graphics.Color)	4282434552 (0xFF40C3F8)
YUV	161.8730, 42.4606, -85.8346
Hunter-Lab	68.4817, -19.2916, -35.0106

Details

The Yxy color **46.8975, 0.2128, 0.2587** 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 **33.0790, 0.5233, 0.3762**, and the grayscale version is **35.9197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9917, 0.2494, 0.3254**, and **22.8113, 0.2004, 0.2416** is the 20% darker color. If you saturate the color by 10%, you get **43.1157, 0.2053, 0.2477**, and if you desaturate by 10%, it is **51.2054, 0.2223, 0.2697**.

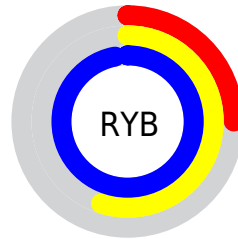
Distribution



Red (25%)

Green (76%)

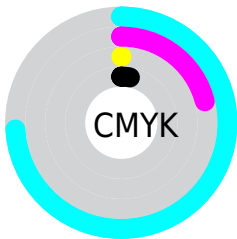
Blue (97%)



Red (25%)

Yellow (55%)

Blue (97%)

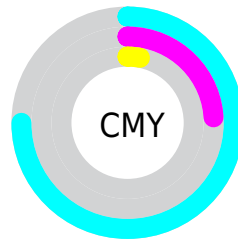


Cyan (74%)

Magenta (21%)

Yellow (0%)

Black (3%)



Cyan (75%)


Magenta (24%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8975, 0.2128, 0.2587 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 46.8975, 0.2128, 0.2587 by changing the saturation by 10% instead.


 46.8975, 0.2128,
0.2587

 46.8975, 0.2128,
0.2587


374.4052, 0.2602,
0.2940


 32.9546, 0.2019,
0.2501


 85.5606, 0.2293,
0.2714


 22.0917, 0.1886,
0.2392


 111.0496, 0.2357,
0.2762

 13.9243, 0.1719,
0.2252


 141.1562, 0.2412,
0.2803

 8.0680, 0.1505,
0.2064

 176.2646, 0.2460,
0.2838

 4.1385, 0.1228,
0.1807

216.7593, 0.2502,
0.2869

 1.7513, 0.0870,
0.1442

263.0247, 0.2539,

 0.4566, 0.0000,

0.2895

0.0858

315.4453, 0.2572,
0.2919

■ 0.0000, 0.0000,
0.0000

■ 46.8975, 0.2128,
0.2587

■ 46.8975, 0.2128,
0.2587

■ 43.1157, 0.2053,
0.2477

■ 51.2054, 0.2223,
0.2697

■ 39.7998, 0.1998,
0.2368

■ 56.0799, 0.2337,
0.2805

■ 38.0247, 0.1974,
0.2305

■ 61.5622, 0.2465,
0.2908

■ 67.6874, 0.2606,
0.3007

■ 74.4875, 0.2755,
0.3099

81.9922, 0.2908,
0.3183

90.2291, 0.3063,
0.3260

97.7663, 0.3169,
0.3330

99.5560, 0.3168,
0.3357

Harmonies

Analogous

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



46.8975, 0.2157, 0.2985



46.8975, 0.2128, 0.2587



46.8975, 0.2331, 0.2409

Triad

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



46.8975, 0.2128, 0.2587



46.8975, 0.3855, 0.3011



46.8975, 0.3438, 0.4318

Complementary

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



46.8975, 0.2128, 0.2587



33.0790, 0.5233, 0.3762

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.



46.8975, 0.3934, 0.4214



46.8975, 0.2128, 0.2587



46.8975, 0.4205, 0.3440

Square

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



46.8975, 0.2128, 0.2587



46.8975, 0.3302, 0.2658



46.8975, 0.4226, 0.3874



46.8975, 0.2884, 0.4071

Rectangle

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



46.8975, 0.2128, 0.2587



46.8975, 0.2586, 0.2410



46.8975, 0.4226, 0.3874



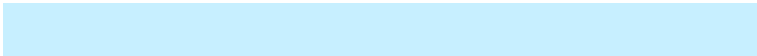
46.8975, 0.3617, 0.4319

Sweetspot

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



46.8991, 0.2128, 0.2587



80.9822, 0.2787, 0.3117



69.4831, 0.2851, 0.5098



16.8876, 0.2745, 0.3093



0.0000, 0.0000, 0.0000



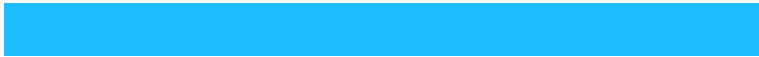
21.4041, 0.3127, 0.3290

Same Dimension

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



46.8991, 0.2128, 0.2587



44.1158, 0.2023, 0.2422



17.7683, 0.1809, 0.1339



18.7137, 0.2980, 0.3220



20.7975, 0.1978, 0.2322



2.1079, 0.2014, 0.2451

Inverse Universe

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



27.5766, 0.3810, 0.2085



25.7925, 0.3993, 0.2023



65.5092, 0.4383, 0.4614



17.4343, 0.3182, 0.3123



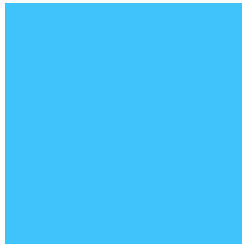
12.5104, 0.4104, 0.2034



1.1770, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 46.8975, 0.2128, 0.2587 looks on a white background.

Color Contrast Check

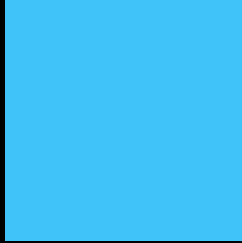
Large Text (above 18pt) WCAG AA × Fail

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 46.8975, 0.2128, 0.2587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

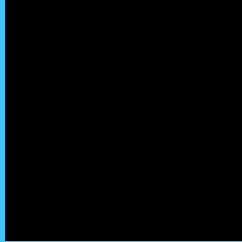
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

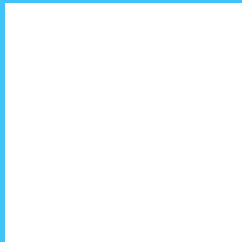
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8975, 0.2128, 0.2587

Background



This preview shows how black text looks on a background with the Yxy color 46.8975, 0.2128, 0.2587.



This preview shows how white text looks on a background with the Yxy color 46.8975, 0.2128, 0.2587.

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

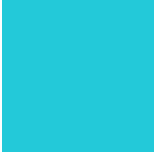
46.8975, 0.2128, 0.2587

Protanopia

46.4033, 0.2622, 0.2589

Deuteranopia

46.4366, 0.2471, 0.2411



Tritanopia

47.1404, 0.2212, 0.3057

Trichromacy



Original Color

46.8975, 0.2128, 0.2587

Protanomaly

45.6563, 0.2383, 0.2582

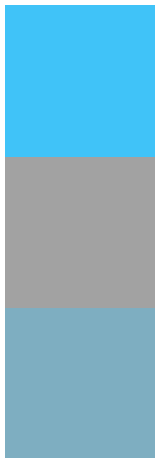
Deuteranomaly

45.8739, 0.2300, 0.2458

Tritanomaly

47.0291, 0.2179, 0.2882

Monochromacy



Original Color

46.8975, 0.2128, 0.2587

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.5580, 0.2605, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8975, 0.2128, 0.2587 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(64, 195, 248)` looks like.

```
.text, #text, p{  
    color:rgb(64, 195, 248)  
}
```

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(64, 195, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 195, 248) }
```

Border

The CSS property to change the border of an element to Yxy 46.8975, 0.2128, 0.2587 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(64, 195, 248) }
```

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

```
.border{ border-color:rgb(64, 195, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 195, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 195, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 195, 248);  
box-shadow:4px 4px 4px 4px rgb(64, 195,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8975, 0.2128, 0.2587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 195, 248) }
```

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

```
.background{ background-color: rgb(64, 195,  
248) }
```

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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