

Converting Colors

$Y_{xy}(100.0000, 0.2562, 0.3652)$

Have a look what the booklet for
Yxy(100.0000, 0.2562, 0.3652)
contains.

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Color

Yxy(82.9025, 0.2512, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	81FFF7
RGB	129, 255, 247
RGB Percent	51%, 100%, 97%
CMY	0.4938, 0.0000, 0.0313
CMYK	0.49, 0.00, 0.03, 0.00
HSL	176°, 100%, 75%
HSV	176°, 49%, 100%
XYZ	61.6127, 82.9025, 100.7584
YIQ	216.4140, -72.5280, -29.2000

Conversions

Conversions Part 2

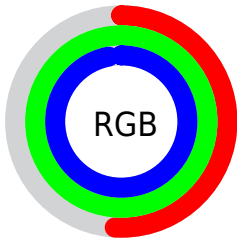
Format	Color
RYB	129, 194, 255
Decimal	8519671
CIELab	92.97, -36.98, -7.01
CIELCh	93, 37.638, 190.740
Yxy	82.9025, 0.2512, 0.3380
Android (android.graphics.Color)	4286709751 (0xFF81FFF7)
YUV	216.4140, 15.0789, -76.6621
Hunter-Lab	91.0508, -38.5506, -1.8758

Details

The Yxy color **82.9025, 0.2512, 0.3380** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **38.7915, 0.4440, 0.3212**, and the grayscale version is **68.9156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **45.2397, 0.2379, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **81.0508, 0.2432, 0.3401**, and if you desaturate by 10%, it is **85.2598, 0.2610, 0.3360**.

Distribution



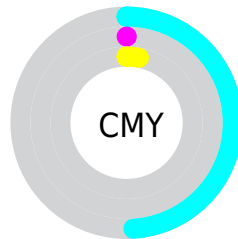
- Red (51%)
- Green (100%)
- Blue (97%)



- Red (51%)
- Yellow (76%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9025, 0.2512, 0.3380 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 82.9025, 0.2512, 0.3380 by changing the saturation by 10% instead.


 82.9025, 0.2512,
0.3380


 82.9025, 0.2512,
0.3380


504.6615, 0.2785,
0.3345

 62.1097, 0.2452,
0.3387


 137.4389, 0.2605,
0.3369

 45.1214, 0.2380,
0.3394


 171.9513, 0.2641,
0.3364

 31.5530, 0.2290,
0.3402

 211.8057, 0.2673,
0.3360

 21.0203, 0.2177,
0.3412

257.3865, 0.2701,
0.3356

 13.1389, 0.2029,
0.3421

309.0781, 0.2726,
0.3353

 7.5242, 0.1829,
0.3429

367.2649, 0.2748,

 3.7921, 0.1545,

0.3350

432.3312, 0.2768,
0.3347

0.3428

1.5579, 0.1019,
0.3435

0.3290, 0.0000,
0.2794

82.9025, 0.2512,
0.3380

82.9025, 0.2512,
0.3380

81.0508, 0.2432,
0.3401

85.2598, 0.2610,
0.3360

79.6572, 0.2372,
0.3423

88.1469, 0.2724,
0.3340

78.6818, 0.2331,
0.3444

91.5979, 0.2852,
0.3322

78.0734, 0.2309,
0.3466

95.6413, 0.2990,
0.3305

■ 77.7534, 0.2302,
0.3487

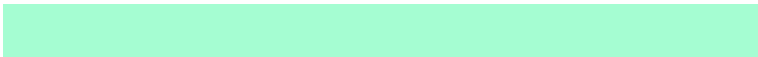
99.9953, 0.3127,
0.3290

■ 77.7372, 0.2302,
0.3488

Harmonies

Analogous

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



82.9025, 0.2846, 0.3791



82.9025, 0.2512, 0.3380



82.9025, 0.2343, 0.2975

Triad

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



82.9025, 0.2512, 0.3380



82.9025, 0.2937, 0.2652



82.9025, 0.3941, 0.3834

Complementary

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



82.9025, 0.2512, 0.3380



38.7915, 0.4440, 0.3212

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.



82.9025, 0.3981, 0.3509



82.9025, 0.2512, 0.3380



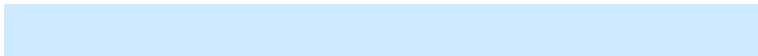
82.9025, 0.3378, 0.2855

Square

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



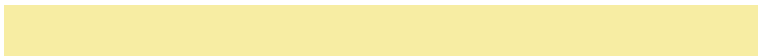
82.9025, 0.2512, 0.3380



82.9025, 0.2574, 0.2590



82.9025, 0.3770, 0.3160



82.9025, 0.3674, 0.4044

Rectangle

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



82.9025, 0.2512, 0.3380



82.9025, 0.2337, 0.2771



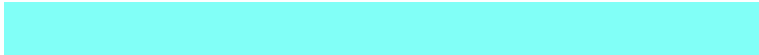
82.9025, 0.3770, 0.3160



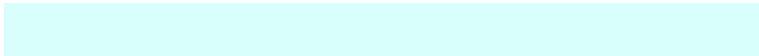
82.9025, 0.3982, 0.3733

Sweetspot

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



82.9057, 0.2512, 0.3380



93.2982, 0.2911, 0.3314



78.4621, 0.3096, 0.4847



19.7918, 0.2883, 0.3318



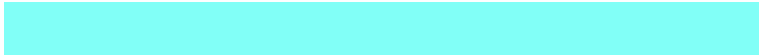
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.9057, 0.2512, 0.3380



81.1170, 0.2435, 0.3400



53.4044, 0.2351, 0.2622



20.4604, 0.2989, 0.3305



40.6306, 0.2301, 0.3484



3.9618, 0.2295, 0.3460

Inverse Universe

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



38.7915, 0.4440, 0.3212



32.4886, 0.4861, 0.3204



56.9812, 0.4214, 0.3856



18.0057, 0.3284, 0.3275



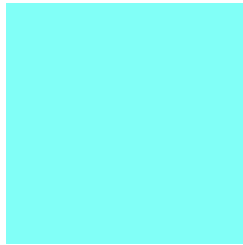
11.1357, 0.6336, 0.3264



1.0905, 0.6190, 0.3183

Previews

White Background



This preview shows how the Yxy color 82.9025, 0.2512, 0.3380 looks on a white background.

Color Contrast Check

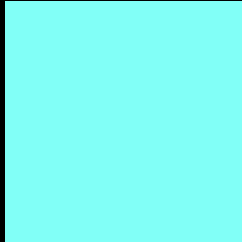
Large Text (above 18pt) WCAG AA × Fail

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 82.9025, 0.2512, 0.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

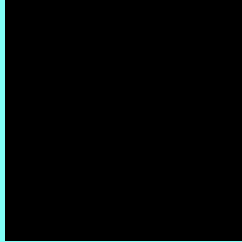
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

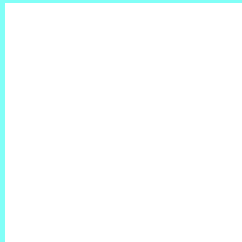
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9025, 0.2512, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 82.9025, 0.2512, 0.3380.

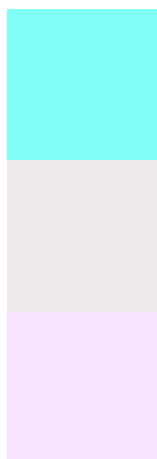


This preview shows how white text looks on a background with the Yxy color 82.9025, 0.2512, 0.3380.

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

82.9025, 0.2512, 0.3380

Protanopia

81.6583, 0.3148, 0.3270

Deuteranopia

81.8042, 0.3098, 0.3033



Tritanopia

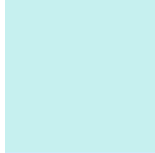
82.0126, 0.2729, 0.3160

Trichromacy



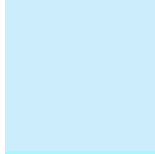
Original Color

82.9025, 0.2512, 0.3380



Protanomaly

80.5579, 0.2869, 0.3300



Deuteranomaly

80.3708, 0.2837, 0.3140



Tritanomaly

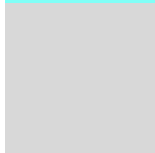
81.7653, 0.2640, 0.3233

Monochromacy



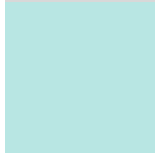
Original Color

82.9025, 0.2512, 0.3380



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3300, 0.2846, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9025, 0.2512, 0.3380 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(129, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(129, 255, 247)  
}
```

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(129, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 82.9025, 0.2512, 0.3380 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(129, 255, 247) }
```

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

```
.border{ border-color:rgb(129, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 255, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 255, 247); box-shadow:4px 4px 4px 4px rgb(129, 255, 247) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9025, 0.2512, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 255, 247) }
```

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

```
.background{ background-color: rgb(129,  
255, 247) }
```

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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