

Converting Colors

$Yxy(82.7067, 0.2560, 0.3474)$

Have a look what the booklet for
Yxy(82.7067, 0.2560, 0.3474)
contains.

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Color

Yxy(82.7385, 0.2562, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	85FFEF
RGB	133, 255, 239
RGB Percent	52%, 100%, 94%
CMY	0.4782, 0.0000, 0.0628
CMYK	0.48, 0.00, 0.06, 0.00
HSL	172°, 100%, 76%
HSV	172°, 48%, 100%
XYZ	61.0179, 82.7385, 94.4086
YIQ	216.6980, -67.5760, -30.8400

Conversions

Conversions Part 2

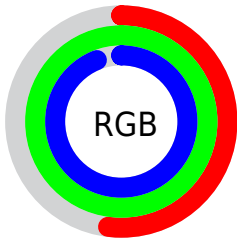
Format	Color
RYB	133, 198, 255
Decimal	8781807
CIELab	92.90, -38.07, -2.95
CIELCh	93, 38.180, 184.438
Yxy	82.7385, 0.2562, 0.3474
Android (android.graphics.Color)	4286971887 (0xFF85FFEF)
YUV	216.6980, 10.9949, -73.4031
Hunter-Lab	90.9607, -39.4407, 2.1351

Details

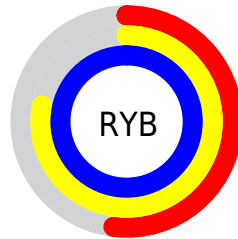
The Yxy color **82.7385, 0.2562, 0.3474** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **40.2222, 0.4282, 0.3128**, and the grayscale version is **69.1390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **45.1092, 0.2438, 0.3518** is the 20% darker color. If you saturate the color by 10%, you get **80.7150, 0.2484, 0.3519**, and if you desaturate by 10%, it is **85.2759, 0.2657, 0.3431**.

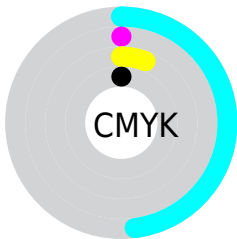
Distribution



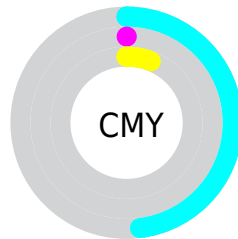
- Red (52%)
- Green (100%)
- Blue (94%)



- Red (52%)
- Yellow (78%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (48%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7385, 0.2562, 0.3474 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 82.7385, 0.2562, 0.3474 by changing the saturation by 10% instead.


 82.7385, 0.2562,
0.3474

 82.7385, 0.2562,
0.3474


504.1146, 0.2815,
0.3394

 61.9744, 0.2506,
0.3491

 137.2091, 0.2648,
0.3447

 45.0121, 0.2439,
0.3512


 171.6845, 0.2682,
0.3436

 31.4669, 0.2355,
0.3537


211.4992, 0.2711,
0.3427

 20.9547, 0.2248,
0.3569


257.0374, 0.2737,
0.3419

 13.0909, 0.2107,
0.3609

308.6837, 0.2760,
0.3411

 7.4911, 0.1915,
0.3663


366.8224, 0.2780,


 3.7711, 0.1639,

0.3405


0.3734


431.8379, 0.2798,
0.3399


 1.5464, 0.1077,
0.3889


 0.3210, 0.0000,
0.3660


 82.7385, 0.2562,
0.3474


 82.7385, 0.2562,
0.3474


 80.7150, 0.2484,
0.3519


 85.2759, 0.2657,
0.3431


 79.1586, 0.2426,
0.3565

 88.3509, 0.2767,
0.3389

 78.0304, 0.2387,
0.3612

 91.9973, 0.2889,
0.3351

 77.2805, 0.2367,
0.3659

 96.2432, 0.3020,
0.3316

■ 76.8427, 0.2365,
0.3705

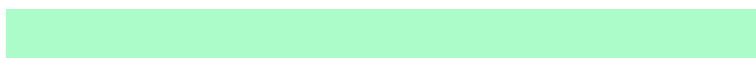
99.9990, 0.3127,
0.3290

■ 76.7677, 0.2365,
0.3715

Harmonies

Analogous

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



82.7385, 0.2928, 0.3872



82.7385, 0.2562, 0.3474



82.7385, 0.2352, 0.3048

Triad

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



82.7385, 0.2562, 0.3474



82.7385, 0.2846, 0.2617



82.7385, 0.3982, 0.3778

Complementary

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



82.7385, 0.2562, 0.3474



40.2222, 0.4282, 0.3128

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.



82.7385, 0.3969, 0.3437



82.7385, 0.2562, 0.3474



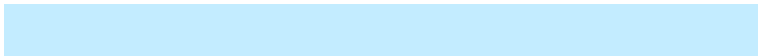
82.7385, 0.3286, 0.2796

Square

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



82.7385, 0.2562, 0.3474



82.7385, 0.2507, 0.2589



82.7385, 0.3708, 0.3087



82.7385, 0.3754, 0.4025

Rectangle

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



82.7385, 0.2562, 0.3474



82.7385, 0.2318, 0.2821



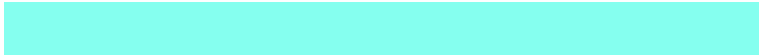
82.7385, 0.3708, 0.3087



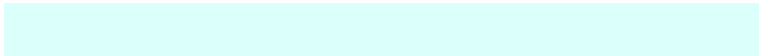
82.7385, 0.4007, 0.3670

Sweetspot

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



82.7417, 0.2562, 0.3474



93.5485, 0.2938, 0.3337



79.6333, 0.3143, 0.4771



19.8335, 0.2910, 0.3345



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

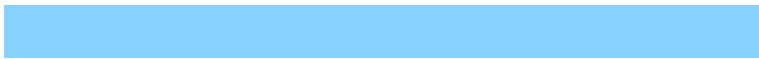
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7417, 0.2562, 0.3474



80.8642, 0.2490, 0.3515



58.4458, 0.2393, 0.2750



20.4380, 0.2998, 0.3321



40.1293, 0.2363, 0.3707



3.9182, 0.2348, 0.3654

Inverse Universe

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



40.2222, 0.4282, 0.3128



33.9142, 0.4646, 0.3106



54.7035, 0.4214, 0.3757



18.0259, 0.3274, 0.3259



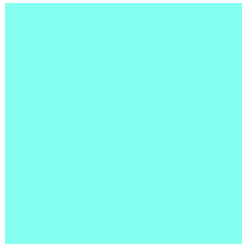
11.1794, 0.6235, 0.3209



1.1000, 0.5983, 0.3069

Previews

White Background



This preview shows how the Yxy color 82.7385, 0.2562, 0.3474 looks on a white background.

Color Contrast Check

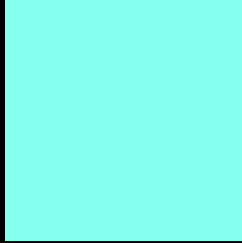
Large Text (above 18pt) WCAG AA × Fail

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 82.7385, 0.2562, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

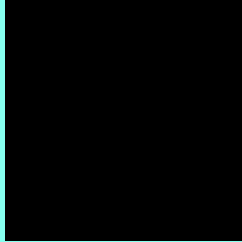
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

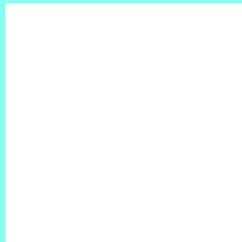
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7385, 0.2562, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 82.7385, 0.2562, 0.3474.

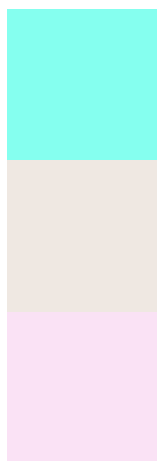


This preview shows how white text looks on a background with the Yxy color 82.7385, 0.2562, 0.3474.

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

82.7385, 0.2562, 0.3474

Protanopia

81.5549, 0.3213, 0.3352

Deuteranopia

81.3093, 0.3170, 0.3102



Tritanopia

82.1400, 0.2735, 0.3160

Trichromacy



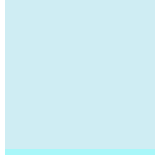
Original Color

82.7385, 0.2562, 0.3474



Protanomaly

80.3691, 0.2926, 0.3388



Deuteranomaly

80.3048, 0.2899, 0.3225



Tritanomaly

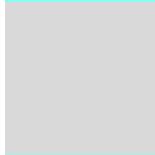
81.7961, 0.2664, 0.3266

Monochromacy



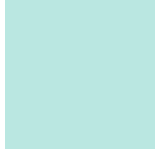
Original Color

82.7385, 0.2562, 0.3474



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.0272, 0.2870, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7385, 0.2562, 0.3474 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(133, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 239)  
}
```

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(133, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 82.7385, 0.2562, 0.3474 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(133, 255, 239) }
```

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

```
.border{ border-color:rgb(133, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7385, 0.2562, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 239) }
```

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

```
.background{ background-color: rgb(133,  
255, 239) }
```

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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