

Converting Colors

$Yxy(84.8037, 0.2578, 0.3571)$

Have a look what the booklet for
Yxy(84.8037, 0.2578, 0.3571)
contains.

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Color

Yxy(82.2640, 0.2567, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	82FFEB
RGB	130, 255, 235
RGB Percent	51%, 100%, 92%
CMY	0.4905, 0.0000, 0.0782
CMYK	0.49, 0.00, 0.08, 0.00
HSL	170°, 100%, 75%
HSV	170°, 49%, 100%
XYZ	59.9579, 82.2640, 91.3499
YIQ	215.3450, -68.0800, -32.7200

Conversions

Conversions Part 2

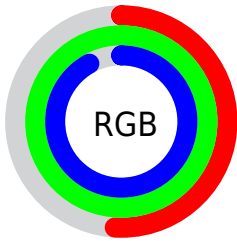
Format	Color
RYB	130, 198, 255
Decimal	8585195
CIELab	92.69, -39.68, -1.23
CIELCh	93, 39.698, 181.779
Yxy	82.2640, 0.2567, 0.3522
Android (android.graphics.Color)	4286775275 (0xFF82FFEB)
YUV	215.3450, 9.6899, -74.8476
Hunter-Lab	90.6995, -40.7248, 3.7745

Details

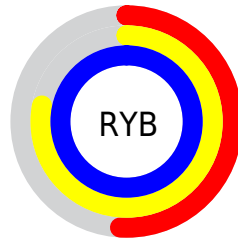
The Yxy color **82.2640, 0.2567, 0.3522** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **39.4045, 0.4286, 0.3087**, and the grayscale version is **68.1565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **44.8361, 0.2448, 0.3582** is the 20% darker color. If you saturate the color by 10%, you get **80.2571, 0.2494, 0.3578**, and if you desaturate by 10%, it is **84.7698, 0.2658, 0.3468**.

Distribution



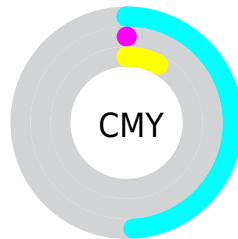
- Red (51%)
- Green (100%)
- Blue (92%)



- Red (51%)
- Yellow (78%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2640, 0.2567, 0.3522 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 82.2640, 0.2567, 0.3522 by changing the saturation by 10% instead.

 82.2640, 0.2567,
0.3522


 82.2640, 0.2567,
0.3522


502.5303, 0.2818,
0.3419


 61.5832, 0.2511,
0.3545

 136.5442, 0.2653,
0.3487

 44.6960, 0.2444,
0.3572


 170.9123, 0.2686,
0.3473

 31.2180, 0.2360,
0.3606


 210.6116, 0.2716,
0.3461

 20.7649, 0.2252,
0.3649

256.0265, 0.2741,
0.3451

 12.9523, 0.2111,
0.3705

307.5415, 0.2764,
0.3441

 7.3957, 0.1917,
0.3782


365.5409, 0.2784,


 3.7108, 0.1636,


0.3433


0.3890


430.4090, 0.2802,
0.3425


 1.5131, 0.1004,
0.4141

 0.2979, 0.0000,
0.4205


 82.2640, 0.2567,
0.3522


 82.2640, 0.2567,
0.3522


 80.2571, 0.2494,
0.3578

 84.7698, 0.2658,
0.3468


 78.7203, 0.2439,
0.3635

 87.8173, 0.2763,
0.3417

 77.6078, 0.2405,
0.3693

 91.4342, 0.2881,
0.3370

 76.8685, 0.2390,
0.3750

 95.6490, 0.3007,
0.3326

■ 76.4269, 0.2392,
0.3807

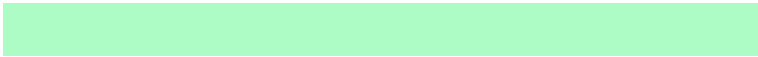
100.0000, 0.3127,
0.3290

■ 76.3914, 0.2392,
0.3812

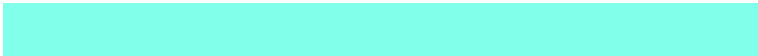
Harmonies

Analogous

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



82.2640, 0.2957, 0.3927



82.2640, 0.2567, 0.3522



82.2640, 0.2333, 0.3072

Triad

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



82.2640, 0.2567, 0.3522



82.2640, 0.2798, 0.2582



82.2640, 0.4027, 0.3766

Complementary

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



82.2640, 0.2567, 0.3522



39.4045, 0.4286, 0.3087

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.



82.2640, 0.3990, 0.3408



82.2640, 0.2567, 0.3522



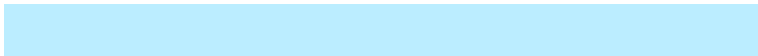
82.2640, 0.3250, 0.2755

Square

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



82.2640, 0.2567, 0.3522



82.2640, 0.2459, 0.2567



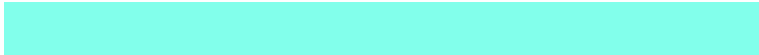
82.2640, 0.3698, 0.3048



82.2640, 0.3808, 0.4038

Rectangle

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



82.2640, 0.2567, 0.3522



82.2640, 0.2287, 0.2828



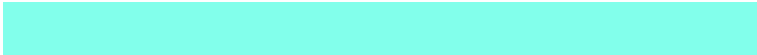
82.2640, 0.3698, 0.3048



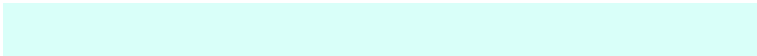
82.2640, 0.4046, 0.3652

Sweetspot

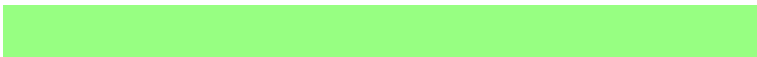
The Sweet Spot groups the original color and five complimentary colors.



82.2611, 0.2567, 0.3522



93.0666, 0.2931, 0.3352



79.6875, 0.3165, 0.4803



19.7355, 0.2905, 0.3361



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

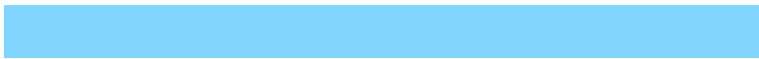
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2611, 0.2567, 0.3522



80.2655, 0.2494, 0.3577



59.7045, 0.2386, 0.2787



20.4287, 0.3001, 0.3328



39.9348, 0.2390, 0.3803



3.9011, 0.2372, 0.3738

Inverse Universe

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



39.4045, 0.4286, 0.3087



32.8448, 0.4675, 0.3060



52.2300, 0.4276, 0.3726



18.0343, 0.3269, 0.3252



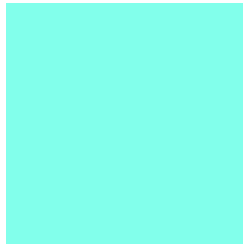
11.2052, 0.6178, 0.3177



1.1039, 0.5902, 0.3025

Previews

White Background



This preview shows how the Yxy color 82.2640, 0.2567, 0.3522 looks on a white background.

Color Contrast Check

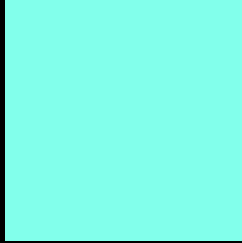
Large Text (above 18pt) WCAG AA × Fail

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 82.2640, 0.2567, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

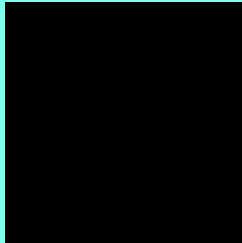
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.2640, 0.2567, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 82.2640, 0.2567, 0.3522.

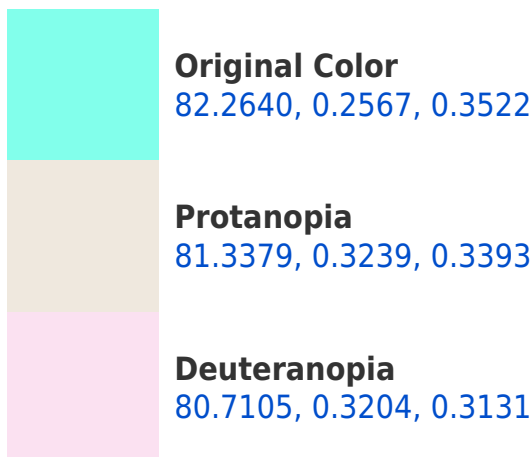


This preview shows how white text looks on a background with the Yxy color 82.2640, 0.2567, 0.3522.

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





Tritanopia

81.7603, 0.2718, 0.3159

Trichromacy



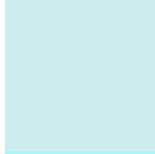
Original Color

82.2640, 0.2567, 0.3522



Protanomaly

80.0083, 0.2942, 0.3433



Deuteranomaly

79.4883, 0.2922, 0.3257



Tritanomaly

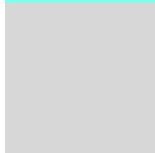
81.4058, 0.2654, 0.3277

Monochromacy



Original Color

82.2640, 0.2567, 0.3522



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.0579, 0.2874, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2640, 0.2567, 0.3522 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(130, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 235)  
}
```

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(130, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 82.2640, 0.2567, 0.3522 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(130, 255, 235) }
```

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

```
.border{ border-color:rgb(130, 255, 235) }
```

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

Here you see how a box with a 4 pixel rgb(130, 255, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2640, 0.2567, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 235) }
```

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

```
.background{ background-color: rgb(130,  
255, 235) }
```

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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