

Converting Colors

$Yxy(82.5180, 0.2524, 0.3431)$

Have a look what the booklet for
Yxy(82.5180, 0.2524, 0.3431)
contains.

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Color

Yxy(82.5031, 0.2521, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	7FFFF3
RGB	127, 255, 243
RGB Percent	50%, 100%, 95%
CMY	0.5020, 0.0000, 0.0469
CMYK	0.50, 0.00, 0.05, 0.00
HSL	174°, 100%, 75%
HSV	174°, 50%, 100%
XYZ	60.6917, 82.5031, 97.5496
YIQ	215.3600, -72.4360, -30.8680

Conversions

Conversions Part 2

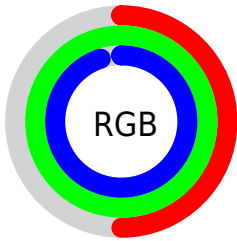
Format	Color
RYB	127, 194, 255
Decimal	8388595
CIELab	92.80, -38.39, -5.22
CIElCh	93, 38.744, 187.750
Yxy	82.5031, 0.2521, 0.3427
Android (android.graphics.Color)	4286578675 (0xFF7FFF3)
YUV	215.3600, 13.6265, -77.4917
Hunter-Lab	90.8312, -39.6844, -0.0936

Details

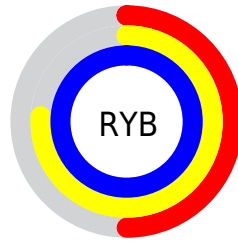
The Yxy color **82.5031, 0.2521, 0.3427** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **38.2955, 0.4429, 0.3171**, and the grayscale version is **68.1523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **44.9681, 0.2389, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **80.6448, 0.2445, 0.3459**, and if you desaturate by 10%, it is **84.8600, 0.2615, 0.3396**.

Distribution



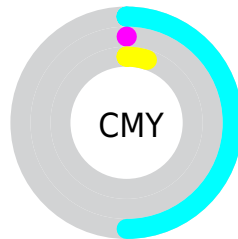
- Red (50%)
- Green (100%)
- Blue (95%)



- Red (50%)
- Yellow (76%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5031, 0.2521, 0.3427 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 82.5031, 0.2521, 0.3427 by changing the saturation by 10% instead.


 82.5031, 0.2521,
0.3427


 82.5031, 0.2521,
0.3427


503.3290, 0.2791,
0.3370

 61.7803, 0.2462,
0.3439


 136.8793, 0.2613,
0.3408

 44.8552, 0.2390,
0.3453


 171.3015, 0.2649,
0.3401

 31.3434, 0.2301,
0.3469


 211.0590, 0.2680,
0.3394

 20.8605, 0.2188,
0.3489


256.5361, 0.2708,
0.3388

 13.0221, 0.2040,
0.3513

308.1172, 0.2732,
0.3383

 7.4437, 0.1839,
0.3541


366.1868, 0.2754,


 3.7411, 0.1553,


0.3378


431.1293, 0.2774,
0.3373


0.3573


 1.5298, 0.0977,
0.3653


 0.3096, 0.0000,
0.3059

 82.5031, 0.2521,
0.3427


 82.5031, 0.2521,
0.3427


 80.6448, 0.2445,
0.3459


 84.8600, 0.2615,
0.3396


 79.2448, 0.2388,
0.3491

 87.7476, 0.2725,
0.3367

 78.2602, 0.2351,
0.3523

 91.1977, 0.2849,
0.3339

 77.6388, 0.2333,
0.3556

 95.2389, 0.2983,
0.3314

■ 77.2995, 0.2330,
0.3587

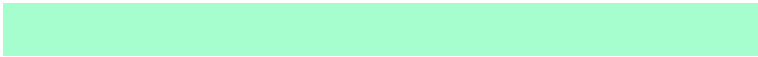
99.8981, 0.3124,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



82.5031, 0.2878, 0.3844



82.5031, 0.2521, 0.3427



82.5031, 0.2329, 0.3001

Triad

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



82.5031, 0.2521, 0.3427



82.5031, 0.2888, 0.2620



82.5031, 0.3981, 0.3819

Complementary

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



82.5031, 0.2521, 0.3427



38.2955, 0.4429, 0.3171

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.



82.5031, 0.3997, 0.3478



82.5031, 0.2521, 0.3427



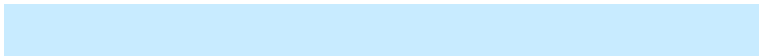
82.5031, 0.3339, 0.2817

Square

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



82.5031, 0.2521, 0.3427



82.5031, 0.2528, 0.2573



82.5031, 0.3756, 0.3121



82.5031, 0.3726, 0.4054

Rectangle

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



82.5031, 0.2521, 0.3427



82.5031, 0.2309, 0.2782



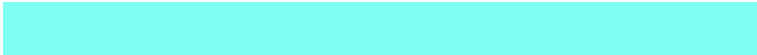
82.5031, 0.3756, 0.3121



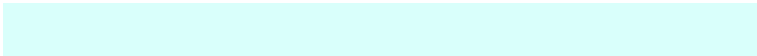
82.5031, 0.4016, 0.3712

Sweetspot

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



82.5038, 0.2521, 0.3427



93.2254, 0.2918, 0.3326



78.6082, 0.3117, 0.4865



19.7741, 0.2889, 0.3331



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

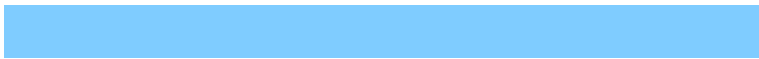
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5038, 0.2521, 0.3427



80.6781, 0.2446, 0.3458



54.8171, 0.2349, 0.2664



20.4505, 0.2993, 0.3312



40.4027, 0.2328, 0.3581



3.9421, 0.2318, 0.3545

Inverse Universe

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



38.2955, 0.4429, 0.3171



32.0306, 0.4848, 0.3159



54.7071, 0.4263, 0.3822



18.0146, 0.3280, 0.3268



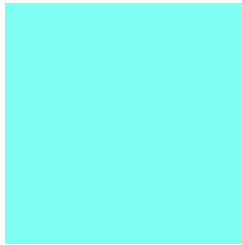
11.1520, 0.6298, 0.3243



1.0947, 0.6096, 0.3132

Previews

White Background



This preview shows how the Yxy color 82.5031, 0.2521, 0.3427 looks on a white background.

Color Contrast Check

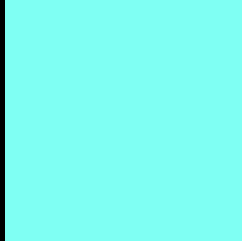
Large Text (above 18pt) WCAG AA × Fail

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 82.5031, 0.2521, 0.3427 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 82.5031, 0.2521, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 82.5031, 0.2521, 0.3427.

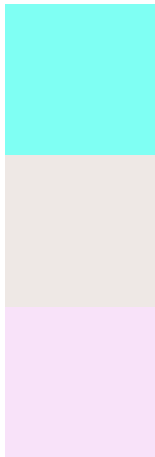


This preview shows how white text looks on a background with the Yxy color 82.5031, 0.2521, 0.3427.

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

82.5031, 0.2521, 0.3427

Protanopia

81.5475, 0.3187, 0.3321

Deuteranopia

81.1887, 0.3131, 0.3062



Tritanopia

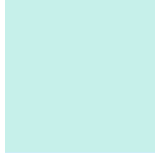
81.7603, 0.2718, 0.3159

Trichromacy



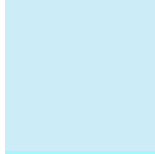
Original Color

82.5031, 0.2521, 0.3427



Protanomaly

80.2665, 0.2897, 0.3355



Deuteranomaly

80.1211, 0.2859, 0.3182



Tritanomaly

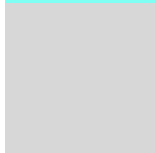
81.4859, 0.2635, 0.3244

Monochromacy



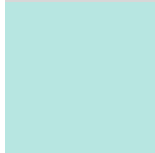
Original Color

82.5031, 0.2521, 0.3427



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.0972, 0.2851, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5031, 0.2521, 0.3427 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(127, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 243)  
}
```

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(127, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 243) }
```

Border

The CSS property to change the border of an element to Yxy 82.5031, 0.2521, 0.3427 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(127, 255, 243) }
```

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

```
.border{ border-color:rgb(127, 255, 243) }
```

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

Here you see how a box with a 4 pixel rgb(127, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5031, 0.2521, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 243) }
```

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

```
.background{ background-color: rgb(127,  
255, 243) }
```

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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