

Converting Colors

$Yxy(82.7017, 0.2608, 0.3434)$

Have a look what the booklet for
Yxy(82.7017, 0.2608, 0.3434)
contains.

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Color

Yxy(82.6528, 0.2608, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	92FDF0
RGB	146, 253, 240
RGB Percent	57%, 99%, 94%
CMY	0.4273, 0.0079, 0.0587
CMYK	0.42, 0.00, 0.05, 0.01
HSL	173°, 96%, 78%
HSV	173°, 42%, 99%
XYZ	62.7171, 82.6528, 95.1096
YIQ	219.5250, -59.5990, -26.7270

Conversions

Conversions Part 2

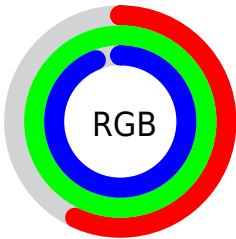
Format	Color
R _Y B	146, 203, 253
Decimal	9633264
CIE Lab	92.86, -33.94, -3.49
CIE LCh	93, 34.116, 185.872
Yxy	82.6528, 0.2608, 0.3437
Android (android.graphics.Color)	4287823344 (0xFF92FDF0)
YUV	219.5250, 10.0942, -64.4814
Hunter-Lab	90.9136, -35.9599, 1.6130

Details

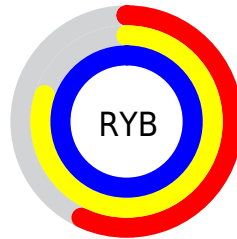
The Yxy color **82.6528, 0.2608, 0.3437** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.9583, 0.4096, 0.3156**, and the grayscale version is **71.1922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **44.9668, 0.2494, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **80.4067, 0.2520, 0.3478**, and if you desaturate by 10%, it is **85.4216, 0.2713, 0.3398**.

Distribution



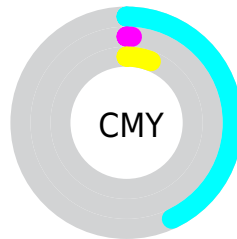
- Red (57%)
- Green (99%)
- Blue (94%)



- Red (57%)
- Yellow (80%)
- Blue (99%)



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)





- Cyan (43%)
- Magenta (1%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6528, 0.2608, 0.3437 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 82.6528, 0.2608, 0.3437 by changing the saturation by 10% instead.

 82.6528, 0.2608,
0.3437


 82.6528, 0.2608,
0.3437


503.8287, 0.2840,
0.3373

 61.9038, 0.2557,
0.3451


 137.0891, 0.2687,
0.3416

 44.9549, 0.2495,
0.3467


 171.5451, 0.2718,
0.3407

 31.4219, 0.2417,
0.3487


211.3389, 0.2745,
0.3400

 20.9204, 0.2318,
0.3511

256.8549, 0.2769,
0.3393

 13.0658, 0.2189,
0.3542

308.4775, 0.2790,
0.3387

 7.4739, 0.2010,
0.3583

366.5911, 0.2809,

 3.7602, 0.1752,

0.3382

0.3636

431.5800, 0.2825,
0.3378

■ 1.5403, 0.1274,
0.3738

■ 0.3169, 0.0000,
0.3498

■ 82.6528, 0.2608,
0.3437

■ 82.6528, 0.2608,
0.3437

■ 80.4067, 0.2520,
0.3478

■ 85.4216, 0.2713,
0.3398

■ 78.6392, 0.2449,
0.3520

■ 88.7342, 0.2831,
0.3362

■ 77.3151, 0.2399,
0.3562

■ 92.6228, 0.2959,
0.3328

■ 76.3903, 0.2368,
0.3605

■ 97.1137, 0.3095,
0.3297

■ 75.8113, 0.2355,
0.3648

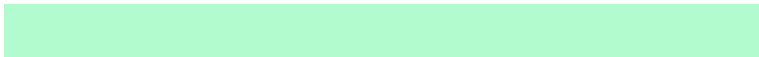
98.7274, 0.3128,
0.3271

■ 75.5390, 0.2356,
0.3680

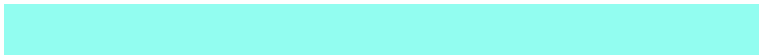
Harmonies

Analogous

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



82.6528, 0.2933, 0.3792



82.6528, 0.2608, 0.3437



82.6528, 0.2425, 0.3061

Triad

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



82.6528, 0.2608, 0.3437



82.6528, 0.2895, 0.2687



82.6528, 0.3887, 0.3746

Complementary

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



82.6528, 0.2608, 0.3437



43.9583, 0.4096, 0.3156

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.



82.6528, 0.3885, 0.3442



82.6528, 0.2608, 0.3437



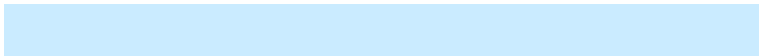
82.6528, 0.3291, 0.2855

Square

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



82.6528, 0.2608, 0.3437



82.6528, 0.2582, 0.2656



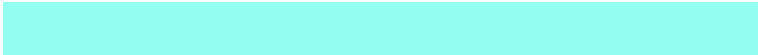
82.6528, 0.3661, 0.3124



82.6528, 0.3677, 0.3956

Rectangle

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



82.6528, 0.2608, 0.3437



82.6528, 0.2399, 0.2860



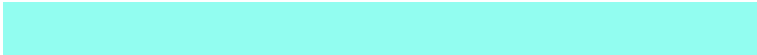
82.6528, 0.3661, 0.3124



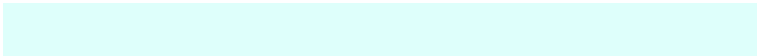
82.6528, 0.3912, 0.3651

Sweetspot

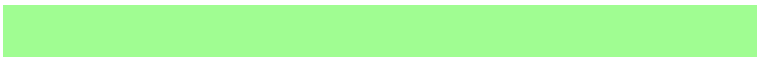
The Sweet Spot groups the original color and five complimentary colors.



82.6561, 0.2608, 0.3437



93.9898, 0.2950, 0.3330



79.8297, 0.3146, 0.4576



19.9216, 0.2920, 0.3337



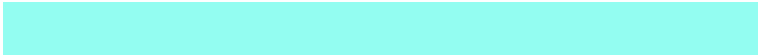
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.6561, 0.2608, 0.3437



82.1222, 0.2530, 0.3473



61.1897, 0.2473, 0.2824



20.4413, 0.2996, 0.3319



40.2004, 0.2354, 0.3673



3.9244, 0.2340, 0.3625

Inverse Universe

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



43.9583, 0.4096, 0.3156



37.8291, 0.4418, 0.3133



57.7665, 0.4047, 0.3705



18.0229, 0.3275, 0.3261



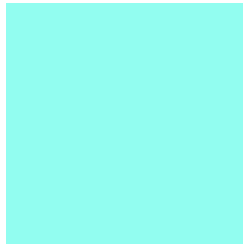
11.1714, 0.6253, 0.3219



1.0986, 0.6012, 0.3086

Previews

White Background



This preview shows how the Yxy color 82.6528, 0.2608, 0.3437 looks on a white background.

Color Contrast Check

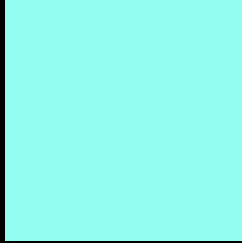
Large Text (above 18pt) WCAG AA × Fail

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 82.6528, 0.2608, 0.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

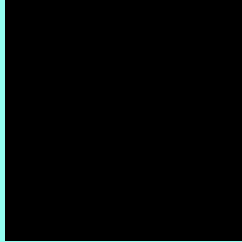
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

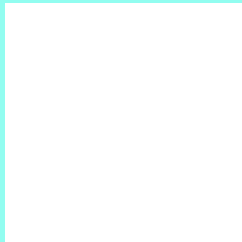
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6528, 0.2608, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 82.6528, 0.2608, 0.3437.

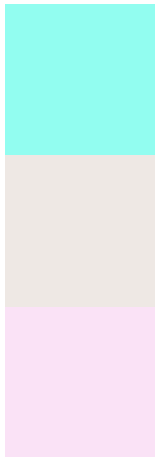


This preview shows how white text looks on a background with the Yxy color 82.6528, 0.2608, 0.3437.

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

82.6528, 0.2608, 0.3437

Protanopia

81.4918, 0.3193, 0.3331

Deuteranopia

81.3705, 0.3164, 0.3092



Tritanopia

82.3976, 0.2746, 0.3160

Trichromacy



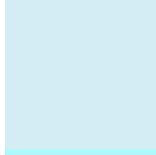
Original Color

82.6528, 0.2608, 0.3437



Protanomaly

81.1255, 0.2951, 0.3376



Deuteranomaly

80.5196, 0.2924, 0.3205



Tritanomaly

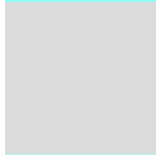
82.5376, 0.2690, 0.3256

Monochromacy



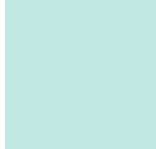
Original Color

82.6528, 0.2608, 0.3437



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.5967, 0.2902, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6528, 0.2608, 0.3437 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(146, 253, 240)` looks like.

```
.text, #text, p{  
    color:rgb(146, 253, 240)  
}
```

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(146, 253, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 253, 240) }
```

Border

The CSS property to change the border of an element to Yxy 82.6528, 0.2608, 0.3437 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(146, 253, 240) }
```

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

```
.border{ border-color:rgb(146, 253, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 253, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 253, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 253, 240);  
box-shadow:4px 4px 4px 4px rgb(146, 253,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6528, 0.2608, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 253, 240) }
```

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

```
.background{ background-color: rgb(146,  
253, 240) }
```

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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