

Converting Colors

$Y_{xy}(82.7189, 0.2548, 0.3354)$

Have a look what the booklet for
Yxy(82.7189, 0.2548, 0.3354)
contains.

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Color

Yxy(82.6033, 0.2547, 0.3345)

Conversions

Conversions Part 1

Format	Color
Hex	8CFDF8
RGB	140, 253, 248
RGB Percent	55%, 99%, 97%
CMY	0.4506, 0.0079, 0.0274
CMYK	0.45, 0.00, 0.02, 0.01
HSL	177°, 97%, 77%
HSV	177°, 45%, 99%
XYZ	62.8970, 82.6033, 101.4452
YIQ	218.6430, -65.7430, -25.5110

Conversions

Conversions Part 2

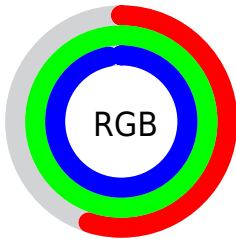
Format	Color
RYB	140, 198, 253
Decimal	9240056
CIELab	92.84, -33.43, -7.68
CIELCh	93, 34.298, 192.943
Yxy	82.6033, 0.2547, 0.3345
Android (android.graphics.Color)	4287430136 (0xFF8CFDF8)
YUV	218.6430, 14.4730, -68.9699
Hunter-Lab	90.8864, -35.5219, -2.5577

Details

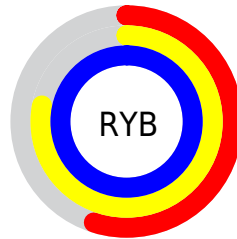
The Yxy color **82.6033, 0.2547, 0.3345** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.7128, 0.4275, 0.3241**, and the grayscale version is **70.5282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **44.9479, 0.2419, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **80.5847, 0.2457, 0.3359**, and if you desaturate by 10%, it is **85.1340, 0.2655, 0.3331**.

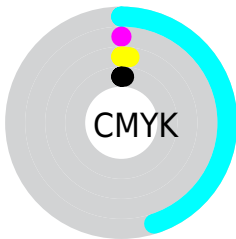
Distribution



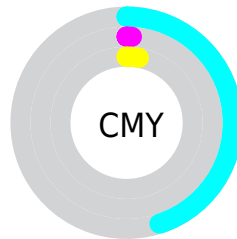
- Red (55%)
- Green (99%)
- Blue (97%)



- Red (55%)
- Yellow (78%)
- Blue (99%)



- Cyan (45%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)





- Cyan (45%)
- Magenta (1%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6033, 0.2547, 0.3345 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 82.6033, 0.2547, 0.3345 by changing the saturation by 10% instead.


 82.6033, 0.2547,
0.3345


 82.6033, 0.2547,
0.3345


503.6635, 0.2805,
0.3325

 61.8629, 0.2491,
0.3348


 137.0197, 0.2635,
0.3339

 44.9220, 0.2422,
0.3352


 171.4646, 0.2669,
0.3337

 31.3960, 0.2337,
0.3355


211.2464, 0.2699,
0.3334

 20.9006, 0.2230,
0.3358

256.7495, 0.2726,
0.3332

 13.0513, 0.2089,
0.3359

308.3584, 0.2749,
0.3330

 7.4639, 0.1898,
0.3355

366.4574, 0.2770,

 3.7539, 0.1627,

0.3328

431.4310, 0.2788,
0.3327

0.3338

1.5369, 0.1152,
0.3307

0.3145, 0.0000,
0.2634

82.6033, 0.2547,
0.3345

82.6033, 0.2547,
0.3345

80.5847, 0.2457,
0.3359

85.1340, 0.2655,
0.3331

79.0335, 0.2386,
0.3374


88.1989, 0.2777,
0.3318


77.9134, 0.2335,
0.3389

91.8304, 0.2913,
0.3306


77.1782, 0.2303,
0.3403

96.0555, 0.3058,
0.3295

 76.7716, 0.2288,
0.3418

 98.6338, 0.3136,
0.3284

 76.6453, 0.2285,
0.3426

 98.7053, 0.3130,
0.3274

 98.7243, 0.3128,
0.3271

Harmonies

Analogous

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



82.6033, 0.2845, 0.3721



82.6033, 0.2547, 0.3345



82.6033, 0.2403, 0.2981

Triad

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



82.6033, 0.2547, 0.3345



82.6033, 0.2983, 0.2713



82.6033, 0.3859, 0.3810

Complementary

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



82.6033, 0.2547, 0.3345



41.7128, 0.4275, 0.3241

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.



82.6033, 0.3911, 0.3519



82.6033, 0.2547, 0.3345



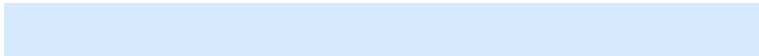
82.6033, 0.3386, 0.2909

Square

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



82.6033, 0.2547, 0.3345



82.6033, 0.2641, 0.2647



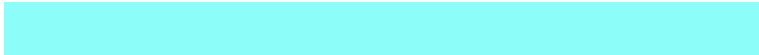
82.6033, 0.3734, 0.3196



82.6033, 0.3605, 0.3986

Rectangle

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



82.6033, 0.2547, 0.3345



82.6033, 0.2405, 0.2801



82.6033, 0.3734, 0.3196



82.6033, 0.3901, 0.3721

Sweetspot

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



82.6065, 0.2547, 0.3345



94.1521, 0.2936, 0.3304



78.2283, 0.3092, 0.4681



19.9621, 0.2905, 0.3307



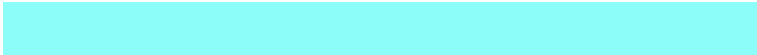
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.6065, 0.2547, 0.3345



82.1579, 0.2462, 0.3358



55.0053, 0.2418, 0.2675



20.4668, 0.2986, 0.3300



40.7821, 0.2284, 0.3423



3.9749, 0.2280, 0.3407

Inverse Universe

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



41.7128, 0.4275, 0.3241



35.4920, 0.4669, 0.3234



59.9953, 0.4069, 0.3823



18.0000, 0.3288, 0.3280



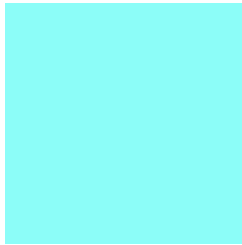
11.1273, 0.6356, 0.3275



1.0878, 0.6252, 0.3218

Previews

White Background



This preview shows how the Yxy color 82.6033, 0.2547, 0.3345 looks on a white background.

Color Contrast Check

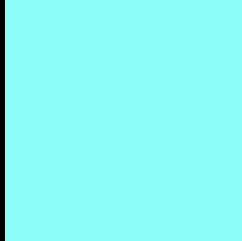
Large Text (above 18pt) WCAG AA × Fail

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 82.6033, 0.2547, 0.3345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

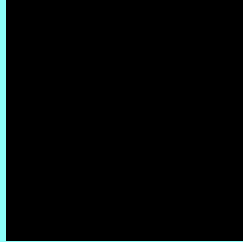
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.6033, 0.2547, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 82.6033, 0.2547, 0.3345.

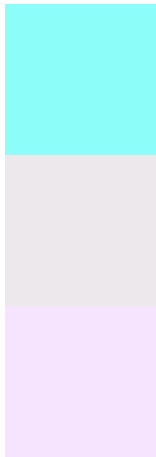


This preview shows how white text looks on a background with the Yxy color 82.6033, 0.2547, 0.3345.

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

82.6033, 0.2547, 0.3345

Protanopia

81.6022, 0.3129, 0.3249

Deuteranopia

81.6868, 0.3085, 0.3023



Tritanopia

82.1400, 0.2735, 0.3160

Trichromacy



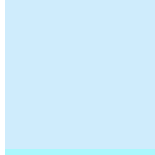
Original Color

82.6033, 0.2547, 0.3345



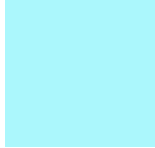
Protanomaly

81.0290, 0.2881, 0.3289



Deuteranomaly

80.2846, 0.2849, 0.3120



Tritanomaly

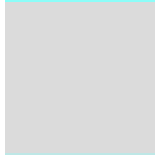
82.2077, 0.2660, 0.3234

Monochromacy



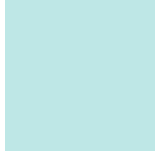
Original Color

82.6033, 0.2547, 0.3345



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

73.8121, 0.2866, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6033, 0.2547, 0.3345 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(140, 253, 248)` looks like.

```
.text, #text, p{  
    color:rgb(140, 253, 248)  
}
```

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(140, 253, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 253, 248) }
```

Border

The CSS property to change the border of an element to Yxy 82.6033, 0.2547, 0.3345 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(140, 253, 248) }
```

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

```
.border{ border-color:rgb(140, 253, 248) }
```

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

Here you see how a box with a 4 pixel rgb(140, 253, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 253, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 253, 248);  
box-shadow:4px 4px 4px 4px rgb(140, 253,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6033, 0.2547, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 253, 248) }
```

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

```
.background{ background-color: rgb(140,  
253, 248) }
```

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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