

Converting Colors

$Yxy(82.8187, 0.2653, 0.3423)$

Have a look what the booklet for
Yxy(82.8187, 0.2653, 0.3423)
contains.

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Color

Yxy(82.9800, 0.2652, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	9CFCF0
RGB	156, 252, 240
RGB Percent	61%, 99%, 94%
CMY	0.3880, 0.0118, 0.0589
CMYK	0.38, 0.00, 0.05, 0.01
HSL	172°, 94%, 80%
HSV	172°, 38%, 99%
XYZ	64.2520, 82.9800, 95.0454
YIQ	221.9280, -53.3640, -24.0840

Conversions

Conversions Part 2

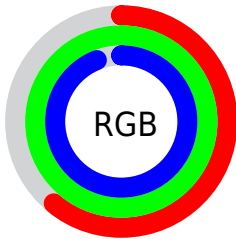
Format	Color
RYB	156, 207, 252
Decimal	10288368
CIELab	93.01, -31.03, -3.20
CIELCh	93, 31.197, 185.888
Yxy	82.9800, 0.2652, 0.3425
Android (android.graphics.Color)	4288478448 (0xFF9CFCF0)
YUV	221.9280, 8.9095, -57.8189
Hunter-Lab	91.0934, -33.5099, 1.9031

Details

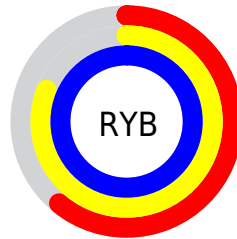
The Yxy color **82.9800, 0.2652, 0.3425** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.3190, 0.3953, 0.3164**, and the grayscale version is **72.9657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **45.1436, 0.2548, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **80.5376, 0.2557, 0.3466**, and if you desaturate by 10%, it is **85.9538, 0.2762, 0.3386**.

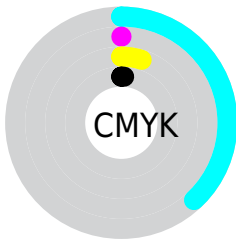
Distribution



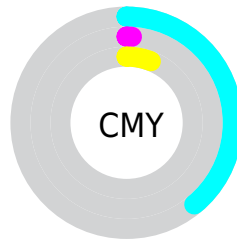
- Red (61%)
- Green (99%)
- Blue (94%)



- Red (61%)
- Yellow (81%)
- Blue (99%)



- Cyan (38%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)





- Cyan (39%)
- Magenta (1%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9800, 0.2652, 0.3425 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 82.9800, 0.2652, 0.3425 by changing the saturation by 10% instead.


 82.9800, 0.2652,
0.3425

 82.9800, 0.2652,
0.3425


504.9199, 0.2865,
0.3366

 62.1737, 0.2605,
0.3438


 137.5474, 0.2724,
0.3405

 45.1730, 0.2548,
0.3453


 172.0773, 0.2753,
0.3398

 31.5937, 0.2477,
0.3471


211.9505, 0.2778,
0.3391

 21.0514, 0.2386,
0.3494

257.5514, 0.2800,
0.3385

 13.1616, 0.2267,
0.3523

309.2644, 0.2819,
0.3379

 7.5399, 0.2102,
0.3562

367.4739, 0.2836,

 3.8020, 0.1862,

0.3375

0.3614

432.5642, 0.2851,
0.3370

■ 1.5634, 0.1446,
0.3701

■ 0.3327, 0.0000,
0.3622

■ 82.9800, 0.2652,
0.3425

■ 82.9800, 0.2652,
0.3425

■ 80.5376, 0.2557,
0.3466

■ 85.9538, 0.2762,
0.3386

■ 78.5842, 0.2479,
0.3509

■ 89.4787, 0.2885,
0.3349

■ 77.0870, 0.2420,
0.3553

■ 93.5856, 0.3016,
0.3315

■ 76.0048, 0.2382,
0.3598

■ 97.9477, 0.3142,
0.3284

75.2891, 0.2362,
0.3642

98.1008, 0.3128,
0.3261

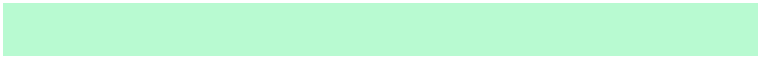
74.8736, 0.2359,
0.3686

74.8099, 0.2360,
0.3694

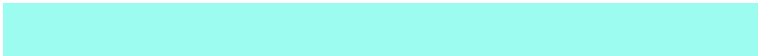
Harmonies

Analogous

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



82.9800, 0.2951, 0.3745



82.9800, 0.2652, 0.3425



82.9800, 0.2482, 0.3083

Triad

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



82.9800, 0.2652, 0.3425



82.9800, 0.2916, 0.2735



82.9800, 0.3822, 0.3711

Complementary

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



82.9800, 0.2652, 0.3425



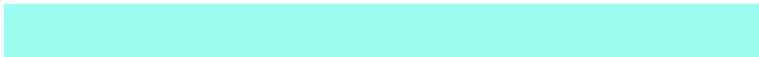
47.3190, 0.3953, 0.3164

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.



82.9800, 0.3818, 0.3433



82.9800, 0.2652, 0.3425



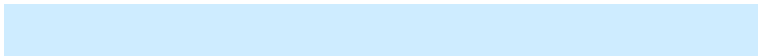
82.9800, 0.3278, 0.2890

Square

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



82.9800, 0.2652, 0.3425



82.9800, 0.2627, 0.2708



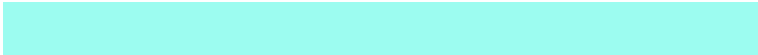
82.9800, 0.3615, 0.3139



82.9800, 0.3631, 0.3899

Rectangle

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



82.9800, 0.2652, 0.3425



82.9800, 0.2458, 0.2898



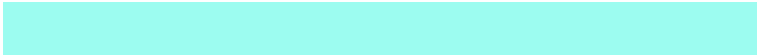
82.9800, 0.3615, 0.3139



82.9800, 0.3844, 0.3624

Sweetspot

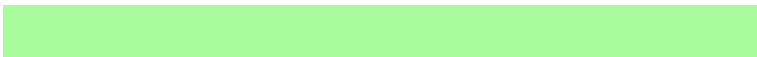
The Sweet Spot groups the original color and five complimentary colors.



82.9833, 0.2652, 0.3425



94.8384, 0.2977, 0.3325



80.4405, 0.3147, 0.4430



20.1744, 0.2959, 0.3329



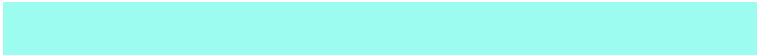
0.0000, 0.0000, 0.0000



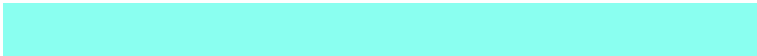
21.4041, 0.3127, 0.3290

Same Dimension

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



82.9833, 0.2652, 0.3425



83.2066, 0.2575, 0.3458



63.6332, 0.2535, 0.2878



19.5689, 0.2997, 0.3320



38.9845, 0.2357, 0.3687



3.6208, 0.2343, 0.3634

Inverse Universe

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



47.3190, 0.3953, 0.3164



41.6312, 0.4223, 0.3140



60.4600, 0.3929, 0.3664



17.2606, 0.3274, 0.3261



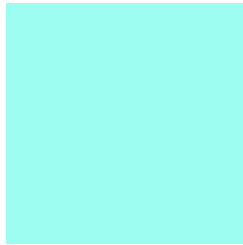
10.8450, 0.6245, 0.3214



1.0153, 0.5985, 0.3071

Previews

White Background



This preview shows how the Yxy color 82.9800, 0.2652, 0.3425 looks on a white background.

Color Contrast Check

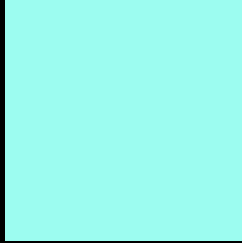
Large Text (above 18pt) WCAG AA × Fail

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 82.9800, 0.2652, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

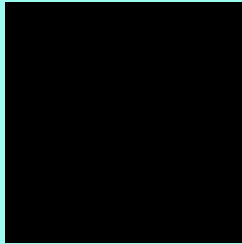
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9800, 0.2652, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 82.9800, 0.2652, 0.3425.

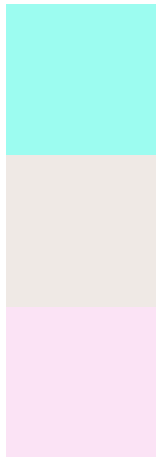


This preview shows how white text looks on a background with the Yxy color 82.9800, 0.2652, 0.3425.

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

82.9800, 0.2652, 0.3425

Protanopia

82.2857, 0.3193, 0.3331

Deuteranopia

82.0400, 0.3177, 0.3112



Tritanopia

82.3264, 0.2767, 0.3150

Trichromacy



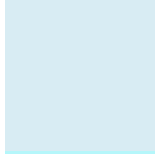
Original Color

82.9800, 0.2652, 0.3425



Protanomaly

81.7587, 0.2970, 0.3365



Deuteranomaly

81.0609, 0.2955, 0.3216



Tritanomaly

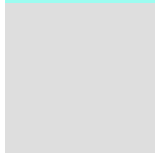
82.6374, 0.2720, 0.3245

Monochromacy



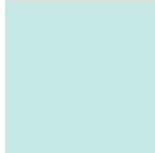
Original Color

82.9800, 0.2652, 0.3425



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.9407, 0.2922, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9800, 0.2652, 0.3425 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(156, 252, 240)` looks like.

```
.text, #text, p{  
    color:rgb(156, 252, 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(156, 252, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 252, 240) }
```

Border

The CSS property to change the border of an element to Yxy 82.9800, 0.2652, 0.3425 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(156, 252, 240) }
```

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

```
.border{ border-color:rgb(156, 252, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 252, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 252, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 252, 240); box-shadow:4px 4px 4px 4px rgb(156, 252, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9800, 0.2652, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 252, 240) }
```

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

```
.background{ background-color: rgb(156,  
252, 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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