

Converting Colors

$Yxy(84.6047, 0.2657, 0.3711)$

Have a look what the booklet for
Yxy(84.6047, 0.2657, 0.3711)
contains.

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Color

Yxy(82.1661, 0.2650, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	89FFDF
RGB	137, 255, 223
RGB Percent	54%, 100%, 87%
CMY	0.4629, 0.0000, 0.1253
CMYK	0.46, 0.00, 0.13, 0.00
HSL	164°, 100%, 77%
HSV	164°, 46%, 100%
XYZ	59.3945, 82.1661, 82.5695
YIQ	216.0700, -60.0560, -34.9680

Conversions

Conversions Part 2

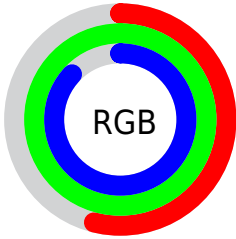
Format	Color
RYB	137, 205, 255
Decimal	9043935
CIELab	92.65, -40.84, 4.94
CIELCh	93, 41.139, 173.101
Yxy	82.1661, 0.2650, 0.3666
Android (android.graphics.Color)	4287234015 (0xFF89FFDF)
YUV	216.0700, 3.4165, -69.3444
Hunter-Lab	90.6455, -41.6695, 9.4443

Details

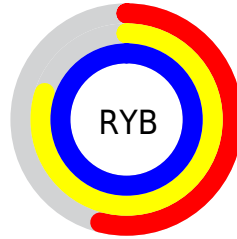
The Yxy color **82.1661, 0.2650, 0.3666** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.0006, 0.4040, 0.2960**, and the grayscale version is **68.7200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **44.7931, 0.2544, 0.3758** is the 20% darker color. If you saturate the color by 10%, you get **79.8943, 0.2581, 0.3764**, and if you desaturate by 10%, it is **84.9595, 0.2735, 0.3573**.

Distribution



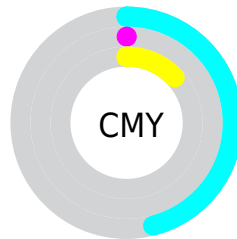
- Red (54%)
- Green (100%)
- Blue (87%)



- Red (54%)
- Yellow (80%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1661, 0.2650, 0.3666 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 82.1661, 0.2650, 0.3666 by changing the saturation by 10% instead.


 82.1661, 0.2650,
0.3666


 82.1661, 0.2650,
0.3666

502.2031, 0.2867,
0.3493

 61.5025, 0.2601,
0.3705

 136.4069, 0.2724,
0.3606

 44.6308, 0.2542,
0.3754


 170.7529, 0.2754,
0.3583

 31.1667, 0.2468,
0.3816


210.4284, 0.2779,
0.3562

 20.7258, 0.2372,
0.3896

255.8178, 0.2801,
0.3545

 12.9237, 0.2243,
0.4005

307.3056, 0.2820,
0.3529

 7.3761, 0.2065,
0.4160


365.2762, 0.2838,


 3.6984, 0.1799,


0.3516


0.4400


430.1139, 0.2853,
0.3504


 1.5063, 0.1100,
0.4962


 0.2932, 0.0000,
1.0000


 82.1661, 0.2650,
0.3666


 82.1661, 0.2650,
0.3666


 79.8943, 0.2581,
0.3764


 84.9595, 0.2735,
0.3573

 78.1115, 0.2530,
0.3865

 88.3116, 0.2832,
0.3486

 76.7749, 0.2499,
0.3968

 92.2513, 0.2940,
0.3406

 75.8361, 0.2488,
0.4071

 96.8067, 0.3053,
0.3332

■ 75.2345, 0.2497,
0.4173

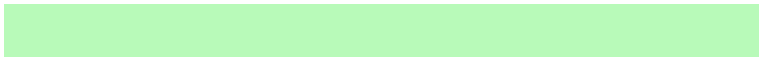
100.0000, 0.3127,
0.3290

■ 75.0636, 0.2503,
0.4211

Harmonies

Analogous

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



82.1661, 0.3085, 0.4038



82.1661, 0.2650, 0.3666



82.1661, 0.2356, 0.3191

Triad

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



82.1661, 0.2650, 0.3666



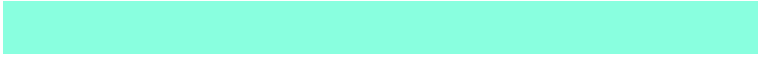
82.1661, 0.2668, 0.2536



82.1661, 0.4079, 0.3678

Complementary

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



82.1661, 0.2650, 0.3666



42.0006, 0.4040, 0.2960

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.



82.1661, 0.3959, 0.3299



82.1661, 0.2650, 0.3666



82.1661, 0.3112, 0.2671

Square

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



82.1661, 0.2650, 0.3666



82.1661, 0.2368, 0.2572



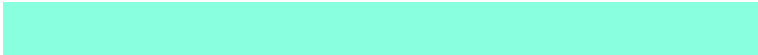
82.1661, 0.3594, 0.2942



82.1661, 0.3921, 0.3998

Rectangle

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



82.1661, 0.2650, 0.3666



82.1661, 0.2268, 0.2911



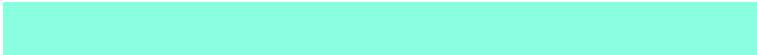
82.1661, 0.3594, 0.2942



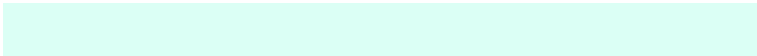
82.1661, 0.4070, 0.3554

Sweetspot

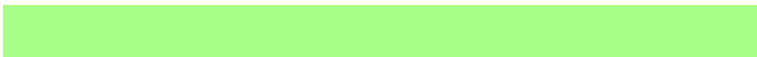
The Sweet Spot groups the original color and five complimentary colors.



82.1647, 0.2650, 0.3666



93.2397, 0.2965, 0.3388



81.9159, 0.3248, 0.4673



19.7577, 0.2941, 0.3405



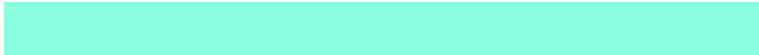
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.1647, 0.2650, 0.3666



79.9533, 0.2583, 0.3761



68.8084, 0.2454, 0.2989



20.3926, 0.3016, 0.3355



39.2487, 0.2498, 0.4194



3.8398, 0.2466, 0.4078

Inverse Universe

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



42.0006, 0.4040, 0.2960



35.1224, 0.4350, 0.2903



49.0938, 0.4262, 0.3560



18.0679, 0.3251, 0.3226



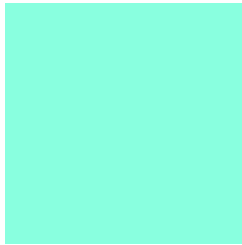
11.3547, 0.5869, 0.3007



1.1229, 0.5551, 0.2831

Previews

White Background



This preview shows how the Yxy color 82.1661, 0.2650, 0.3666 looks on a white background.

Color Contrast Check

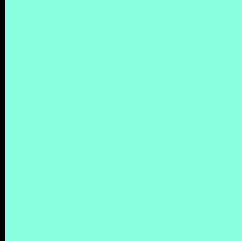
Large Text (above 18pt) WCAG AA × Fail

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 82.1661, 0.2650, 0.3666 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

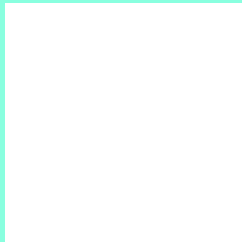
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1661, 0.2650, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 82.1661, 0.2650, 0.3666.

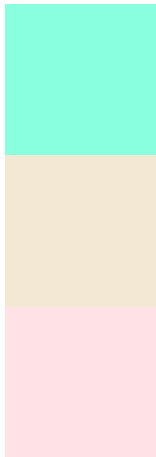


This preview shows how white text looks on a background with the Yxy color 82.1661, 0.2650, 0.3666.

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

82.1661, 0.2650, 0.3666

Protanopia

81.2936, 0.3332, 0.3507

Deuteranopia

80.8236, 0.3306, 0.3241



Tritanopia

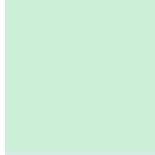
81.4156, 0.2728, 0.3149

Trichromacy



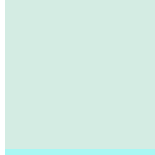
Original Color

82.1661, 0.2650, 0.3666



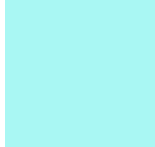
Protanomaly

80.0638, 0.3043, 0.3566



Deuteranomaly

79.5340, 0.3024, 0.3387



Tritanomaly

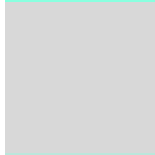
81.4276, 0.2694, 0.3333

Monochromacy



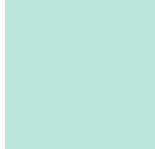
Original Color

82.1661, 0.2650, 0.3666



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.2729, 0.2910, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1661, 0.2650, 0.3666 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(137, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 223)  
}
```

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(137, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 82.1661, 0.2650, 0.3666 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(137, 255, 223) }
```

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

```
.border{ border-color:rgb(137, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 255, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 255, 223); box-shadow:4px 4px 4px 4px rgb(137, 255, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1661, 0.2650, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 223) }
```

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

```
.background{ background-color: rgb(137,  
255, 223) }
```

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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