

Converting Colors

$Yxy(82.3685, 0.2762, 0.3551)$

Have a look what the booklet for
Yxy(82.3685, 0.2762, 0.3551)
contains.

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Color

Yxy(82.0243, 0.2762, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	A6FAE3
RGB	166, 250, 227
RGB Percent	65%, 98%, 89%
CMY	0.3488, 0.0196, 0.1099
CMYK	0.34, 0.00, 0.09, 0.02
HSL	164°, 89%, 82%
HSV	164°, 34%, 98%
XYZ	63.7813, 82.0243, 85.1187
YIQ	222.2620, -42.6810, -24.9610

Conversions

Conversions Part 2

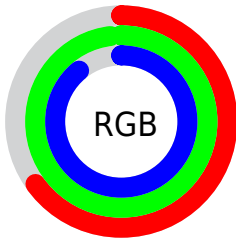
Format	Color
R _Y B	166, 215, 250
Decimal	10943203
CIE Lab	92.59, -30.30, 2.98
CIE LCh	93, 30.442, 174.390
Yxy	82.0243, 0.2762, 0.3552
Android (android.graphics.Color)	4289133283 (0xFFA6FAE3)
YUV	222.2620, 2.3358, -49.3418
Hunter-Lab	90.5673, -32.7855, 7.6740

Details

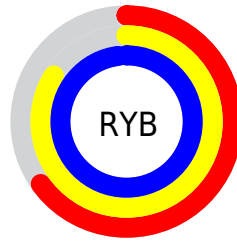
The Yxy color **82.0243, 0.2762, 0.3552** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.2949, 0.3698, 0.3046**, and the grayscale version is **73.2562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **44.4980, 0.2679, 0.3605** is the 20% darker color. If you saturate the color by 10%, you get **79.2110, 0.2674, 0.3645**, and if you desaturate by 10%, it is **85.3845, 0.2862, 0.3466**.

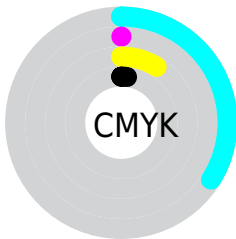
Distribution



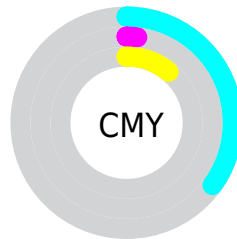
- Red (65%)
- Green (98%)
- Blue (89%)



- Red (65%)
- Yellow (84%)
- Blue (98%)



- Cyan (34%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)





- Cyan (35%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.0243, 0.2762, 0.3552 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 82.0243, 0.2762, 0.3552 by changing the saturation by 10% instead.

 82.0243, 0.2762,
0.3552


 82.0243, 0.2762,
0.3552


501.7290, 0.2928,
0.3432

 61.3856, 0.2725,
0.3579


 136.2081, 0.2819,
0.3511

 44.5364, 0.2679,
0.3613


 170.5219, 0.2841,
0.3494

 31.0924, 0.2622,
0.3655


210.1629, 0.2860,
0.3480

 20.6692, 0.2549,
0.3709

255.5154, 0.2877,
0.3468

 12.8824, 0.2451,
0.3783

306.9639, 0.2892,
0.3458

 7.3476, 0.2313,
0.3889

364.8927, 0.2905,

 3.6805, 0.2106,

0.3448

0.4050

429.6863, 0.2917,
0.3440

■ 1.4965, 0.1703,
0.4359

■ 0.2862, 0.0000,
0.7343

■ 82.0243, 0.2762,
0.3552

■ 82.0243, 0.2762,
0.3552

■ 79.2110, 0.2674,
0.3645

■ 85.3845, 0.2862,
0.3466

■ 76.9039, 0.2601,
0.3743

■ 89.3099, 0.2971,
0.3386

■ 75.0725, 0.2545,
0.3844

■ 93.8301, 0.3085,
0.3314

■ 73.6787, 0.2508,
0.3949

■ 96.8119, 0.3133,
0.3248

■ 72.6784, 0.2492,
0.4053

■ 96.8502, 0.3129,
0.3242

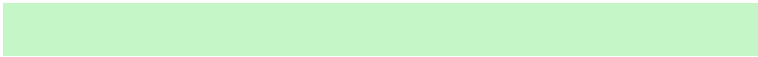
■ 72.0180, 0.2496,
0.4157

■ 71.7231, 0.2507,
0.4223

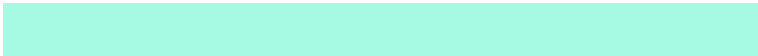
Harmonies

Analogous

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



82.0243, 0.3088, 0.3823



82.0243, 0.2762, 0.3552



82.0243, 0.2541, 0.3211

Triad

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



82.0243, 0.2762, 0.3552



82.0243, 0.2799, 0.2720



82.0243, 0.3830, 0.3605

Complementary

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



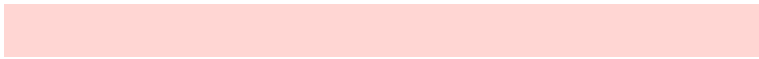
82.0243, 0.2762, 0.3552



51.2949, 0.3698, 0.3046

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.



82.0243, 0.3748, 0.3318



82.0243, 0.2762, 0.3552



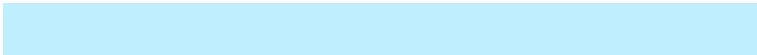
82.0243, 0.3136, 0.2827

Square

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



82.0243, 0.2762, 0.3552



82.0243, 0.2562, 0.2747



82.0243, 0.3488, 0.3041



82.0243, 0.3712, 0.3832

Rectangle

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



82.0243, 0.2762, 0.3552



82.0243, 0.2476, 0.3005



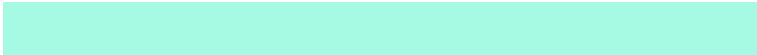
82.0243, 0.3488, 0.3041



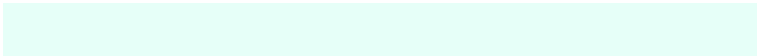
82.0243, 0.3826, 0.3512

Sweetspot

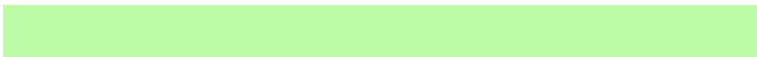
The Sweet Spot groups the original color and five complimentary colors.



82.0276, 0.2762, 0.3552



95.0379, 0.3011, 0.3360



82.0521, 0.3227, 0.4252



20.2037, 0.2995, 0.3370



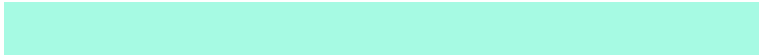
0.0000, 0.0000, 0.0000



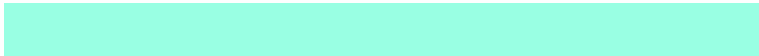
21.4041, 0.3127, 0.3290

Same Dimension

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



82.0276, 0.2762, 0.3552



83.8391, 0.2703, 0.3611



72.6221, 0.2623, 0.3082



19.5226, 0.3017, 0.3356



38.0703, 0.2502, 0.4206



3.5438, 0.2467, 0.4083

Inverse Universe

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



51.2949, 0.3698, 0.3046



47.3781, 0.3859, 0.2999



57.4616, 0.3853, 0.3486



17.3035, 0.3251, 0.3225



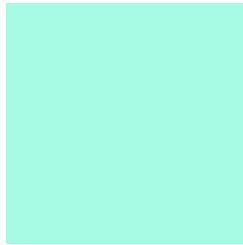
11.0264, 0.5855, 0.2999



1.0383, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 82.0243, 0.2762, 0.3552 looks on a white background.

Color Contrast Check

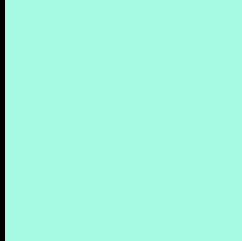
Large Text (above 18pt) WCAG AA × Fail

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 82.0243, 0.2762, 0.3552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

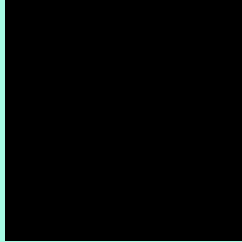
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.0243, 0.2762, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 82.0243, 0.2762, 0.3552.

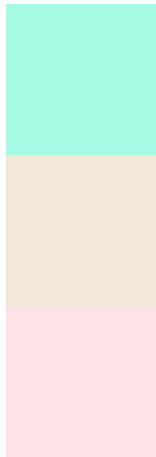


This preview shows how white text looks on a background with the Yxy color 82.0243, 0.2762, 0.3552.

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

82.0243, 0.2762, 0.3552

Protanopia

81.4238, 0.3286, 0.3445

Deuteranopia

80.9366, 0.3292, 0.3221



Tritanopia

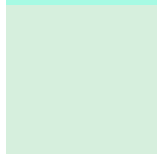
81.7327, 0.2766, 0.3140

Trichromacy



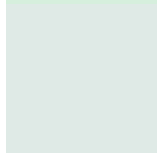
Original Color

82.0243, 0.2762, 0.3552



Protanomaly

81.2496, 0.3072, 0.3484



Deuteranomaly

80.2468, 0.3078, 0.3332



Tritanomaly

81.4843, 0.2760, 0.3278

Monochromacy



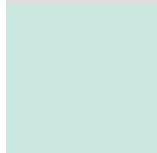
Original Color

82.0243, 0.2762, 0.3552



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.6516, 0.2977, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0243, 0.2762, 0.3552 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(166, 250, 227)` looks like.

```
.text, #text, p{  
    color:rgb(166, 250, 227)  
}
```

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(166, 250, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 250, 227) }
```

Border

The CSS property to change the border of an element to Yxy 82.0243, 0.2762, 0.3552 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(166, 250, 227) }
```

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

```
.border{ border-color:rgb(166, 250, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 250, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 250, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 250, 227); box-shadow:4px 4px 4px 4px rgb(166, 250, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0243, 0.2762, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 250, 227) }
```

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

```
.background{ background-color: rgb(166,  
250, 227) }
```

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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