

Converting Colors

$Yxy(82.6592, 0.2763, 0.3486)$

Have a look what the booklet for
Yxy(82.6592, 0.2763, 0.3486)
contains.

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Color

Yxy(82.8553, 0.2762, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	ABFAE8
RGB	171, 250, 232
RGB Percent	67%, 98%, 91%
CMY	0.3297, 0.0195, 0.0902
CMYK	0.32, 0.00, 0.07, 0.02
HSL	166°, 89%, 83%
HSV	166°, 32%, 98%
XYZ	65.5345, 82.8553, 88.8820
YIQ	224.3270, -41.3060, -22.3460

Conversions

Conversions Part 2

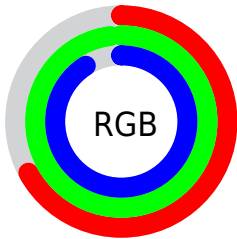
Format	Color
RYB	171, 216, 250
Decimal	11270888
CIELab	92.95, -27.90, 0.93
CIELCh	93, 27.912, 178.091
Yxy	82.8553, 0.2762, 0.3492
Android (android.graphics.Color)	4289460968 (0xFFABFAE8)
YUV	224.3270, 3.7828, -46.7678
Hunter-Lab	91.0249, -30.7803, 5.8232

Details

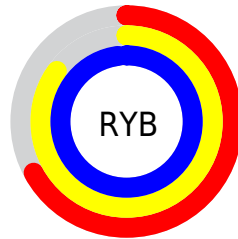
The Yxy color **82.8553, 0.2762, 0.3492** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.1001, 0.3687, 0.3100**, and the grayscale version is **74.7740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **44.9875, 0.2685, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **79.9944, 0.2667, 0.3567**, and if you desaturate by 10%, it is **86.2643, 0.2869, 0.3422**.

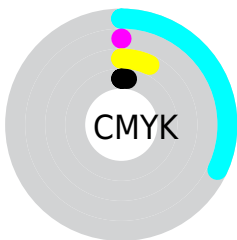
Distribution



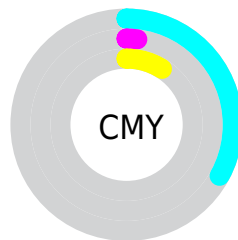
- Red (67%)
- Green (98%)
- Blue (91%)



- Red (67%)
- Yellow (85%)
- Blue (98%)



- Cyan (32%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)





- Cyan (33%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8553, 0.2762, 0.3492 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 82.8553, 0.2762, 0.3492 by changing the saturation by 10% instead.


 82.8553, 0.2762,
0.3492

 82.8553, 0.2762,
0.3492


504.5041, 0.2927,
0.3401

 62.0708, 0.2725,
0.3512

 137.3728, 0.2818,
0.3461

 45.0899, 0.2680,
0.3537


171.8745, 0.2841,
0.3448

 31.5282, 0.2624,
0.3569


211.7175, 0.2860,
0.3438

 21.0014, 0.2552,
0.3609

257.2860, 0.2877,
0.3428

 13.1250, 0.2456,
0.3663

308.9646, 0.2891,
0.3420

 7.5147, 0.2323,
0.3739

367.1375, 0.2904,


 3.7860, 0.2123,


0.3413


0.3853

432.1893, 0.2916,
0.3406


 1.5546, 0.1777,
0.4052


 0.3267, 0.0000,
0.5292


 82.8553, 0.2762,
0.3492

 82.8553, 0.2762,
0.3492


 79.9944, 0.2667,
0.3567


 86.2643, 0.2869,
0.3422


 77.6415, 0.2586,
0.3646

 90.2390, 0.2985,
0.3358

 75.7667, 0.2523,
0.3729

 94.8088, 0.3107,
0.3299

 74.3330, 0.2479,
0.3814

 96.8480, 0.3131,
0.3245

73.2977, 0.2455,
0.3899

96.8619, 0.3129,
0.3243

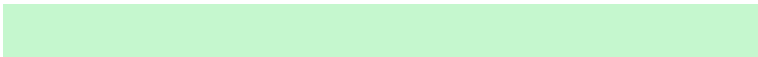
72.6097, 0.2451,
0.3984

72.2348, 0.2460,
0.4054

Harmonies

Analogous

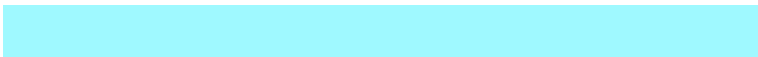
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8553, 0.3053, 0.3751



82.8553, 0.2762, 0.3492



82.8553, 0.2573, 0.3182

Triad

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



82.8553, 0.2762, 0.3492



82.8553, 0.2862, 0.2772



82.8553, 0.3766, 0.3611

Complementary

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



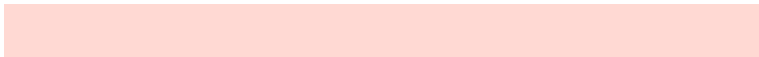
82.8553, 0.2762, 0.3492



53.1001, 0.3687, 0.3100

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.



82.8553, 0.3713, 0.3351



82.8553, 0.2762, 0.3492



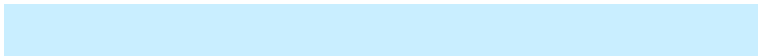
82.8553, 0.3177, 0.2884

Square

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



82.8553, 0.2762, 0.3492



82.8553, 0.2629, 0.2782



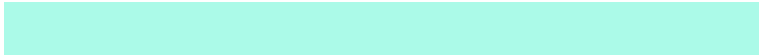
82.8553, 0.3493, 0.3091



82.8553, 0.3638, 0.3805

Rectangle

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



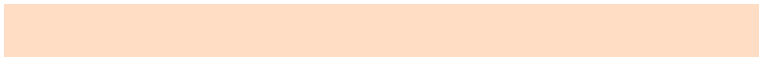
82.8553, 0.2762, 0.3492



82.8553, 0.2525, 0.3000



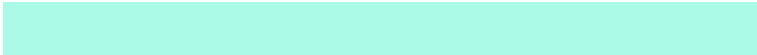
82.8553, 0.3493, 0.3091



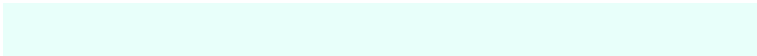
82.8553, 0.3769, 0.3528

Sweetspot

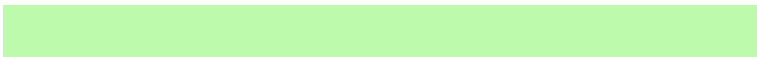
The Sweet Spot groups the original color and five complimentary colors.



82.8587, 0.2762, 0.3492



95.5720, 0.3017, 0.3342



82.1880, 0.3197, 0.4196



20.3135, 0.2999, 0.3350



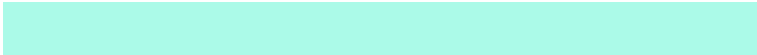
0.0000, 0.0000, 0.0000



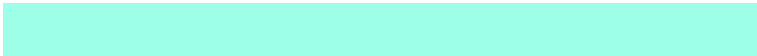
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8587, 0.2762, 0.3492



84.6782, 0.2699, 0.3540



71.5527, 0.2645, 0.3050



19.5370, 0.3011, 0.3345



38.3326, 0.2456, 0.4040



3.5662, 0.2428, 0.3939

Inverse Universe

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



53.1001, 0.3687, 0.3100



49.0503, 0.3852, 0.3060



60.9743, 0.3785, 0.3516



17.2900, 0.3258, 0.3236



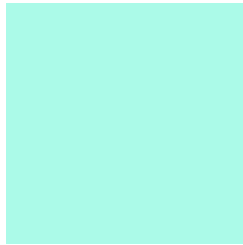
10.9548, 0.6001, 0.3079



1.0300, 0.5675, 0.2900

Previews

White Background



This preview shows how the Yxy color 82.8553, 0.2762, 0.3492 looks on a white background.

Color Contrast Check

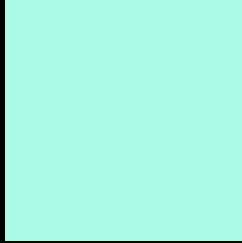
Large Text (above 18pt) WCAG AA × Fail

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 82.8553, 0.2762, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

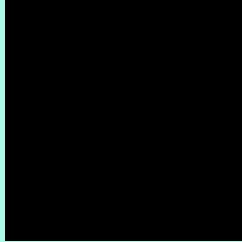
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8553, 0.2762, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 82.8553, 0.2762, 0.3492.

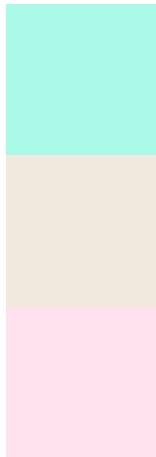


This preview shows how white text looks on a background with the Yxy color 82.8553, 0.2762, 0.3492.

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

82.8553, 0.2762, 0.3492

Protanopia

82.2525, 0.3252, 0.3403

Deuteranopia

81.7671, 0.3258, 0.3182



Tritanopia

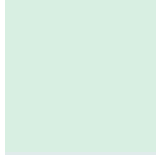
82.2727, 0.2789, 0.3141

Trichromacy



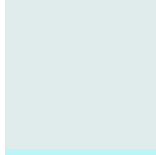
Original Color

82.8553, 0.2762, 0.3492



Protanomaly

81.8229, 0.3055, 0.3429



Deuteranomaly

81.2621, 0.3054, 0.3290



Tritanomaly

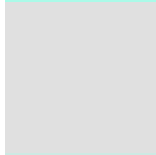
82.2356, 0.2777, 0.3256

Monochromacy



Original Color

82.8553, 0.2762, 0.3492



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.8030, 0.2979, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8553, 0.2762, 0.3492 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(171, 250, 232)` looks like.

```
.text, #text, p{  
    color:rgb(171, 250, 232)  
}
```

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(171, 250, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 250, 232) }
```

Border

The CSS property to change the border of an element to Yxy 82.8553, 0.2762, 0.3492 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(171, 250, 232) }
```

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

```
.border{ border-color:rgb(171, 250, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 250, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 250, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 250, 232);  
box-shadow:4px 4px 4px 4px rgb(171, 250,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8553, 0.2762, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 250, 232) }
```

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

```
.background{ background-color: rgb(171,  
250, 232) }
```

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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