

Converting Colors

Yxy(87.4786, 0.2807, 0.3503)

Have a look what the booklet for
Yxy(87.4786, 0.2807, 0.3503)
contains.

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Color

Yxy(87.4632, 0.2810, 0.3508)

Conversions

Conversions Part 1

Format	Color
Hex	B6FFEB
RGB	182, 255, 235
RGB Percent	71%, 100%, 92%
CMY	0.2860, 0.0000, 0.0783
CMYK	0.29, 0.00, 0.08, 0.00
HSL	164°, 100%, 86%
HSV	164°, 29%, 100%
XYZ	70.0603, 87.4632, 91.8015
YIQ	230.8930, -37.0880, -21.6960

Conversions

Conversions Part 2

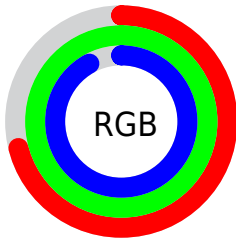
Format	Color
RYB	182, 224, 255
Decimal	11993067
CIELab	94.93, -26.50, 2.33
CIELCh	95, 26.604, 174.986
Yxy	87.4632, 0.2810, 0.3508
Android (android.graphics.Color)	4290183147 (0xFFB6FFEB)
YUV	230.8930, 2.0248, -42.8792
Hunter-Lab	93.5218, -29.9427, 7.2659

Details

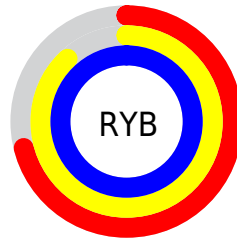
The Yxy color **87.4632, 0.2810, 0.3508** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.0077, 0.3588, 0.3084**, and the grayscale version is **79.8454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **48.1549, 0.2742, 0.3561** is the 20% darker color. If you saturate the color by 10%, you get **84.2424, 0.2715, 0.3598**, and if you desaturate by 10%, it is **91.2723, 0.2915, 0.3425**.

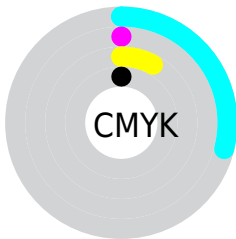
Distribution



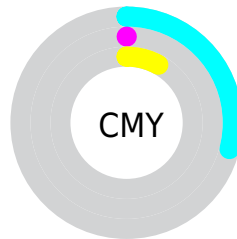
- Red (71%)
- Green (100%)
- Blue (92%)



- Red (71%)
- Yellow (88%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4632, 0.2810, 0.3508 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 87.4632, 0.2810, 0.3508 by changing the saturation by 10% instead.


 87.4632, 0.2810,
0.3508

 87.4632, 0.2810,
0.3508

519.7437, 0.2952,
0.3410

 65.8786, 0.2779,
0.3530

 143.8096, 0.2858,
0.3474

 48.1739, 0.2740,
0.3557

179.3402, 0.2878,
0.3461

 33.9646, 0.2692,
0.3590


220.2882, 0.2894,
0.3450

 22.8664, 0.2631,
0.3634

267.0380, 0.2909,
0.3440

 14.4949, 0.2550,
0.3691

319.9741, 0.2921,
0.3431

 8.4657, 0.2438,
0.3773

379.4808, 0.2933,

 4.3943, 0.2271,

0.3423

0.3894

445.9426, 0.2943,
0.3416

■ 1.8965, 0.2003,
0.4096

■ 0.5463, 0.0000,
0.5583

■ 87.4632, 0.2810,
0.3508

■ 87.4632, 0.2810,
0.3508

■ 84.2424, 0.2715,
0.3598

■ 91.2723, 0.2915,
0.3425


■ 81.5684, 0.2634,
0.3693

■ 95.6875, 0.3027,
0.3349


■ 79.4108, 0.2569,
0.3793


99.9941, 0.3127,
0.3290

■ 77.7321, 0.2523,
0.3896

 76.4895, 0.2497,
0.4001

 75.6322, 0.2492,
0.4105

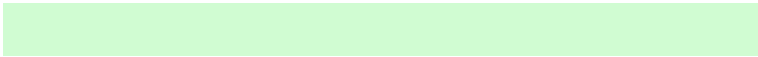
 75.0884, 0.2504,
0.4208

 75.0238, 0.2506,
0.4222

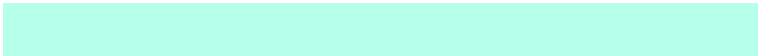
Harmonies

Analogous

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



87.4632, 0.3090, 0.3739



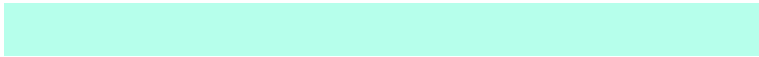
87.4632, 0.2810, 0.3508



87.4632, 0.2620, 0.3220

Triad

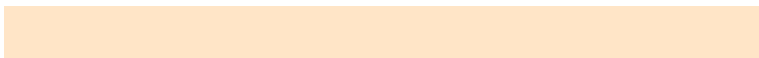
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4632, 0.2810, 0.3508



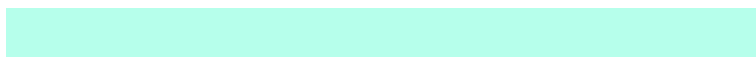
87.4632, 0.2851, 0.2798



87.4632, 0.3728, 0.3569

Complementary

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



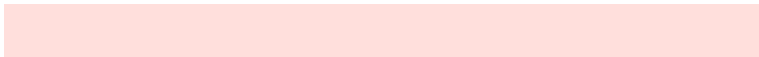
87.4632, 0.2810, 0.3508



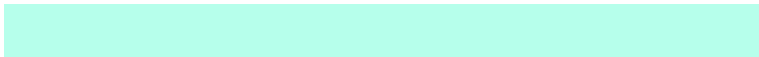
59.0077, 0.3588, 0.3084

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.



87.4632, 0.3660, 0.3323



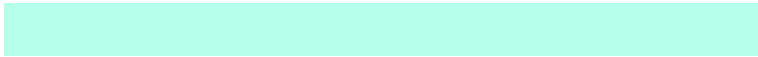
87.4632, 0.2810, 0.3508



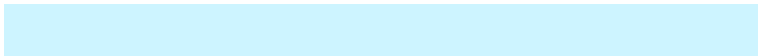
87.4632, 0.3142, 0.2892

Square

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



87.4632, 0.2810, 0.3508



87.4632, 0.2643, 0.2822



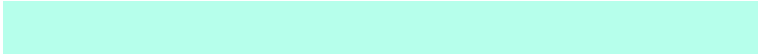
87.4632, 0.3442, 0.3080



87.4632, 0.3625, 0.3759

Rectangle

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



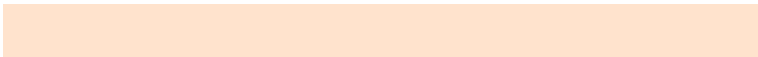
87.4632, 0.2810, 0.3508



87.4632, 0.2565, 0.3044



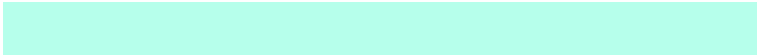
87.4632, 0.3442, 0.3080



87.4632, 0.3724, 0.3490

Sweetspot

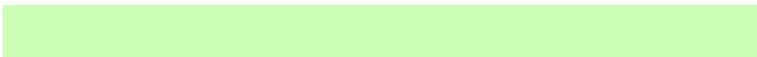
The Sweet Spot groups the original color and five complimentary colors.



87.4668, 0.2810, 0.3508



95.5060, 0.3022, 0.3352



87.5528, 0.3215, 0.4093



20.2972, 0.3006, 0.3363



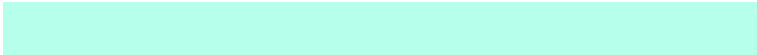
0.0000, 0.0000, 0.0000



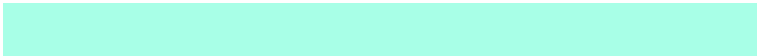
21.4041, 0.3127, 0.3290

Same Dimension

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



87.4668, 0.2810, 0.3508



85.6619, 0.2757, 0.3556



79.0174, 0.2693, 0.3116



20.3916, 0.3017, 0.3356



39.2313, 0.2502, 0.4205



3.8382, 0.2469, 0.4087

Inverse Universe

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



59.0077, 0.3588, 0.3084



53.1838, 0.3709, 0.3044



64.9659, 0.3716, 0.3456



18.0688, 0.3251, 0.3225



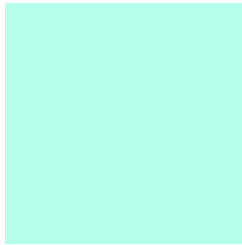
11.3601, 0.5859, 0.3001



1.1235, 0.5540, 0.2825

Previews

White Background



This preview shows how the Yxy color 87.4632, 0.2810, 0.3508 looks on a white background.

Color Contrast Check

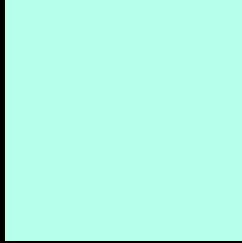
Large Text (above 18pt) WCAG AA × Fail

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 87.4632, 0.2810, 0.3508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

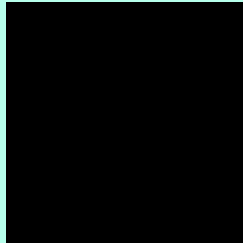
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

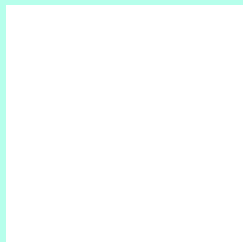
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4632, 0.2810, 0.3508

Background



This preview shows how black text looks on a background with the Yxy color 87.4632, 0.2810, 0.3508.

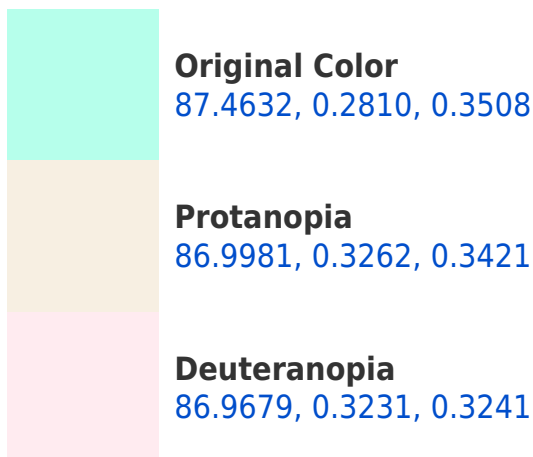


This preview shows how white text looks on a background with the Yxy color 87.4632, 0.2810, 0.3508.

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





Tritanopia

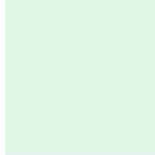
87.2765, 0.2896, 0.3187

Trichromacy



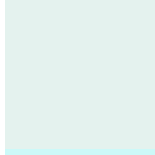
Original Color

87.4632, 0.2810, 0.3508



Protanomaly

86.6499, 0.3081, 0.3457



Deuteranomaly

86.1713, 0.3061, 0.3331



Tritanomaly

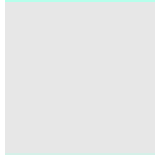
87.3660, 0.2860, 0.3300

Monochromacy



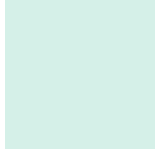
Original Color

87.4632, 0.2810, 0.3508



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.2925, 0.3001, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4632, 0.2810, 0.3508 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(182, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 235)  
}
```

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(182, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 87.4632, 0.2810, 0.3508 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(182, 255, 235) }
```

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

```
.border{ border-color:rgb(182, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4632, 0.2810, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 235) }
```

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

```
.background{ background-color: rgb(182,  
255, 235) }
```

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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