

Converting Colors

$Y_{xy}(100.0000, 0.2882, 0.3648)$

Have a look what the booklet for
Yxy(100.0000, 0.2882, 0.3648)
contains.

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Color

Yxy(89.2365, 0.2870, 0.3482)

Conversions

Conversions Part 1

Format	Color
Hex	C3FFED
RGB	195, 255, 237
RGB Percent	76%, 100%, 93%
CMY	0.2353, 0.0000, 0.0705
CMYK	0.24, 0.00, 0.07, 0.00
HSL	162°, 100%, 88%
HSV	162°, 24%, 100%
XYZ	73.5522, 89.2365, 93.4907
YIQ	235.0080, -29.9820, -18.3180

Conversions

Conversions Part 2

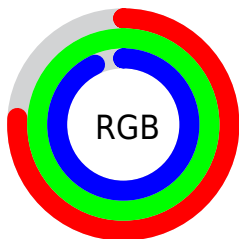
Format	Color
R _Y B	195, 230, 255
Decimal	12845037
CIE Lab	95.68, -22.33, 2.46
CIE LCh	96, 22.465, 173.720
Yxy	89.2365, 0.2870, 0.3482
Android (android.graphics.Color)	4291035117 (0xFFC3FFED)
YUV	235.0080, 0.9821, -35.0870
Hunter-Lab	94.4651, -26.3306, 7.4471

Details

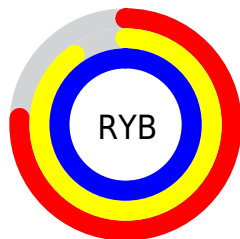
The Yxy color **89.2365, 0.2870, 0.3482** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0864, 0.3473, 0.3107**, and the grayscale version is **83.0926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **49.2998, 0.2815, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **85.6883, 0.2773, 0.3577**, and if you desaturate by 10%, it is **93.3840, 0.2976, 0.3395**.

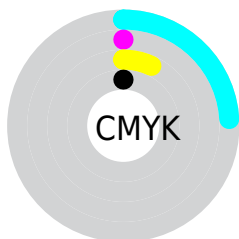
Distribution



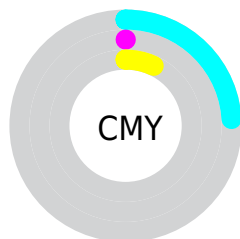
- Red (76%)
- Green (100%)
- Blue (93%)



- Red (76%)
- Yellow (90%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.2365, 0.2870, 0.3482 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 89.2365, 0.2870, 0.3482 by changing the saturation by 10% instead.


 89.2365, 0.2870,
0.3482

 89.2365, 0.2870,
0.3482


525.5441, 0.2985,
0.3396

 67.3476, 0.2845,
0.3501


 146.2774, 0.2909,
0.3452

 49.3671, 0.2814,
0.3525


182.1982, 0.2925,
0.3441

 34.9108, 0.2775,
0.3554


223.5650, 0.2938,
0.3431

 23.5942, 0.2726,
0.3592

270.7623, 0.2950,
0.3422

 15.0329, 0.2661,
0.3642

324.1745, 0.2960,
0.3414

 8.8424, 0.2570,
0.3713

384.1859, 0.2969,

 4.6386, 0.2437,

0.3407

0.3818

451.1810, 0.2978,
0.3401

■ 2.0368, 0.2221,
0.3993

■ 0.6287, 0.0439,
0.5266

■ 89.2365, 0.2870,
0.3482

■ 89.2365, 0.2870,
0.3482

■ 85.6883, 0.2773,
0.3577

■ 93.3840, 0.2976,
0.3395


■ 82.7092, 0.2687,
0.3679


■ 98.1579, 0.3087,
0.3316

■ 80.2672, 0.2616,
0.3786


■ 100.0000, 0.3127,
0.3290

■ 78.3266, 0.2562,
0.3899

 76.8474, 0.2528,
0.4013

 75.7832, 0.2514,
0.4129

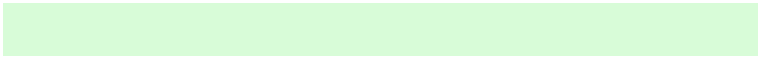
 75.0778, 0.2520,
0.4243

 74.7604, 0.2532,
0.4316

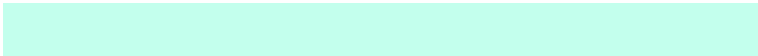
Harmonies

Analogous

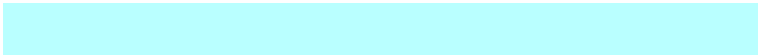
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2365, 0.3108, 0.3669



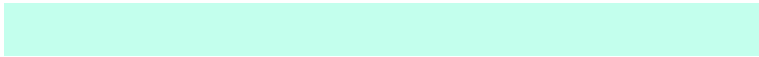
89.2365, 0.2870, 0.3482



89.2365, 0.2704, 0.3243

Triad

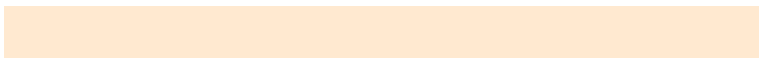
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2365, 0.2870, 0.3482



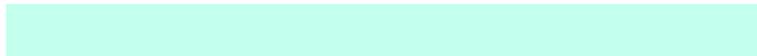
89.2365, 0.2887, 0.2872



89.2365, 0.3630, 0.3520

Complementary

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



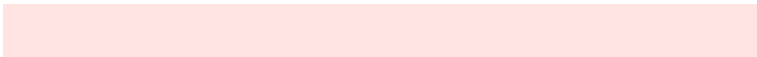
89.2365, 0.2870, 0.3482



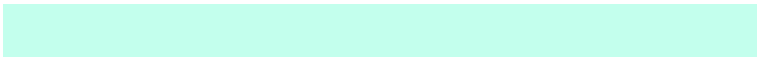
65.0864, 0.3473, 0.3107

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.



89.2365, 0.3568, 0.3311



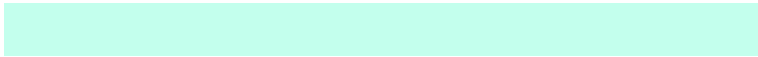
89.2365, 0.2870, 0.3482



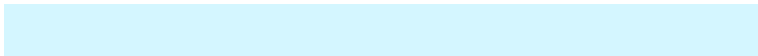
89.2365, 0.3130, 0.2948

Square

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



89.2365, 0.2870, 0.3482



89.2365, 0.2714, 0.2899



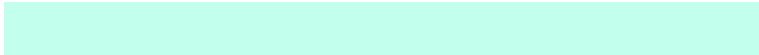
89.2365, 0.3382, 0.3106



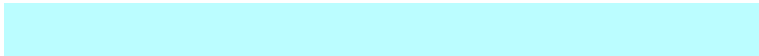
89.2365, 0.3552, 0.3680

Rectangle

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



89.2365, 0.2870, 0.3482



89.2365, 0.2654, 0.3094



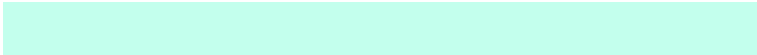
89.2365, 0.3382, 0.3106



89.2365, 0.3625, 0.3453

Sweetspot

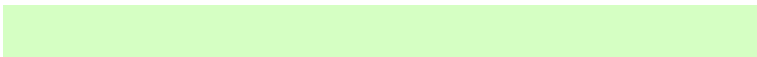
The Sweet Spot groups the original color and five complimentary colors.



89.2366, 0.2870, 0.3482



96.4309, 0.3048, 0.3342



89.6043, 0.3208, 0.3935



20.5775, 0.3041, 0.3347



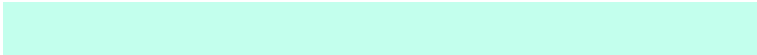
0.0000, 0.0000, 0.0000



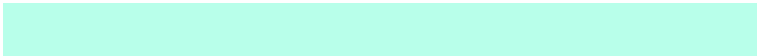
21.4041, 0.3127, 0.3290

Same Dimension

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



89.2366, 0.2870, 0.3482



87.5798, 0.2825, 0.3523



82.9200, 0.2768, 0.3161



20.3833, 0.3020, 0.3362



39.0916, 0.2527, 0.4298



3.8255, 0.2491, 0.4168

Inverse Universe

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



65.0864, 0.3473, 0.3107



59.7818, 0.3560, 0.3070



69.8202, 0.3590, 0.3415



18.0766, 0.3247, 0.3219



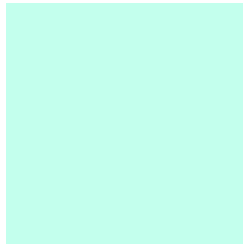
11.4069, 0.5771, 0.2953



1.1289, 0.5450, 0.2776

Previews

White Background



This preview shows how the Yxy color 89.2365, 0.2870, 0.3482 looks on a white background.

Color Contrast Check

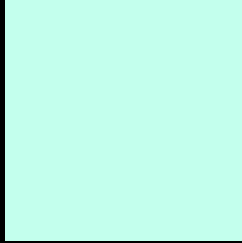
Large Text (above 18pt) WCAG AA × Fail

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 89.2365, 0.2870, 0.3482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

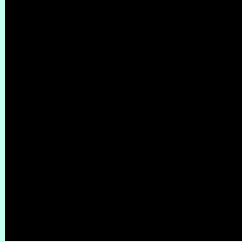
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

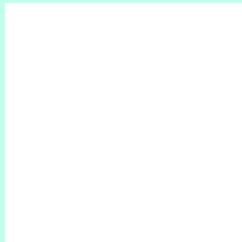
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2365, 0.2870, 0.3482

Background



This preview shows how black text looks on a background with the Yxy color 89.2365, 0.2870, 0.3482.

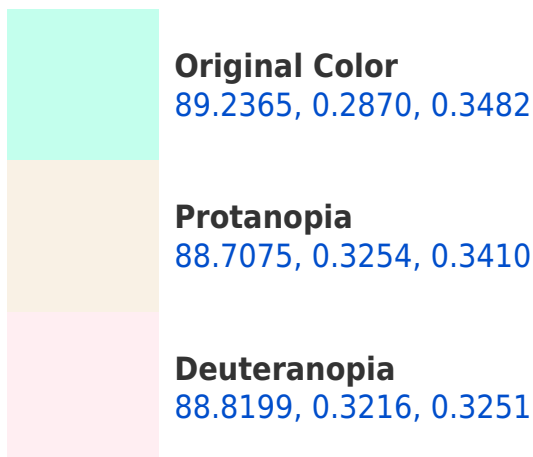


This preview shows how white text looks on a background with the Yxy color 89.2365, 0.2870, 0.3482.

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

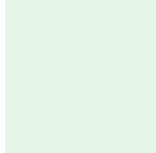
89.1391, 0.2944, 0.3199

Trichromacy



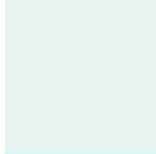
Original Color

89.2365, 0.2870, 0.3482



Protanomaly

88.3957, 0.3101, 0.3434



Deuteranomaly

88.3163, 0.3080, 0.3330



Tritanomaly

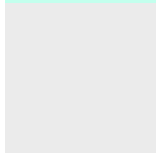
88.8248, 0.2918, 0.3300

Monochromacy



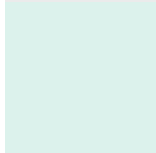
Original Color

89.2365, 0.2870, 0.3482



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7760, 0.3022, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2365, 0.2870, 0.3482 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(195, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 237)  
}
```

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(195, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 89.2365, 0.2870, 0.3482 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(195, 255, 237) }
```

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

```
.border{ border-color:rgb(195, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2365, 0.2870, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 237) }
```

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

```
.background{ background-color: rgb(195,  
255, 237) }
```

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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