

Converting Colors

Yxy(81.9828, 0.2913, 0.3356)

Have a look what the booklet for
Yxy(81.9828, 0.2913, 0.3356)
contains.

| | |
|--|----|
| Yxy(82.1169, 0.2910, 0.3354) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(82.1169, 0.2910, 0.3354)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | CAF2EC |
| RGB | 202, 242, 236 |
| RGB Percent | 79%, 95%, 93% |
| CMY | 0.2079, 0.0509, 0.0744 |
| CMYK | 0.17, 0.00, 0.02, 0.05 |
| HSL | 171°, 61%, 87% |
| HSV | 171°, 17%, 95% |
| XYZ | 71.2463, 82.1169, 91.4695 |
| YIQ | 229.3560, -21.9140, -10.3460 |

Conversions

Conversions Part 2

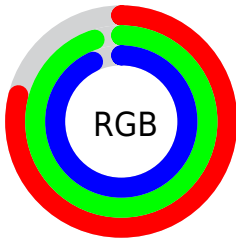
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 202, 224, 242 |
| Decimal | 13300460 |
| CIE Lab | 92.63, -14.02, -1.43 |
| CIE LCh | 93, 14.092, 185.808 |
| Yxy | 82.1169, 0.2910, 0.3354 |
| Android (android.graphics.Color) | 4291490540 (0xFFCAF2EC) |
| YUV | 229.3560, 3.2755, -23.9912 |
| Hunter-Lab | 90.6184, -18.2412, 3.5860 |

Details

The Yxy color **82.1169, 0.2910, 0.3354** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.6592, 0.3397, 0.3227**, and the grayscale version is **78.6173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6161, 0.2861, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **78.7973, 0.2789, 0.3397**, and if you desaturate by 10%, it is **85.9769, 0.3039, 0.3314**.

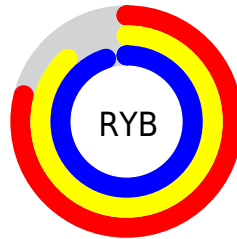
Distribution



Red (79%)

Green (95%)

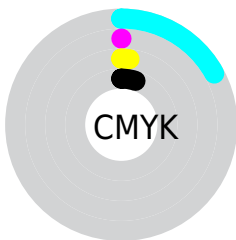
Blue (93%)



Red (79%)

Yellow (88%)

Blue (95%)

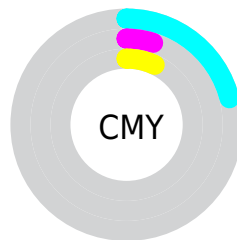


Cyan (17%)

Magenta (0%)

Yellow (2%)

Black (5%)



Cyan (21%)


Magenta (5%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1169, 0.2910, 0.3354 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 82.1169, 0.2910, 0.3354 by changing the saturation by 10% instead.

 82.1169, 0.2910,
0.3354

 82.1169, 0.2910,
0.3354

502.0386, 0.3008,
0.3326

 61.4619, 0.2888,
0.3360


136.3379, 0.2944,
0.3344

 44.5980, 0.2861,
0.3368


170.6727, 0.2957,
0.3341

 31.1409, 0.2828,
0.3377


210.3363, 0.2968,
0.3337

 20.7062, 0.2785,
0.3389

255.7129, 0.2978,
0.3334

 12.9094, 0.2727,
0.3405

307.1871, 0.2987,
0.3332

 7.3662, 0.2647,
0.3428


365.1432, 0.2995,


 3.6922, 0.2526,


0.3329


0.3460


429.9656, 0.3002,
0.3327


 1.5029, 0.2324,
0.3511

 0.2908, 0.0000,
0.4112


 82.1169, 0.2910,
0.3354


 82.1169, 0.2910,
0.3354

 78.7973, 0.2789,
0.3397


 85.9769, 0.3039,
0.3314


 75.9834, 0.2679,
0.3444


 90.3901, 0.3174,
0.3278


 73.6518, 0.2584,
0.3493


 91.4778, 0.3182,
0.3243

 71.7735, 0.2505,
0.3545


 91.7032, 0.3160,
0.3208


 70.3165, 0.2445,
0.3598


 91.9330, 0.3138,
0.3174

 69.2444, 0.2405,
0.3651

 91.9900, 0.3133,
0.3166

 68.5144, 0.2384,
0.3705

 68.0730, 0.2381,
0.3758

 67.9581, 0.2382,
0.3776

Harmonies

Analogous

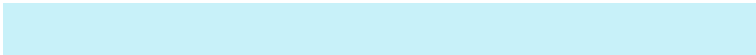
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1169, 0.3051, 0.3490



82.1169, 0.2910, 0.3354



82.1169, 0.2827, 0.3203

Triad

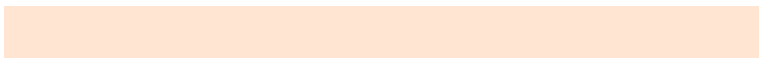
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1169, 0.2910, 0.3354



82.1169, 0.3033, 0.3028



82.1169, 0.3441, 0.3489

Complementary

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



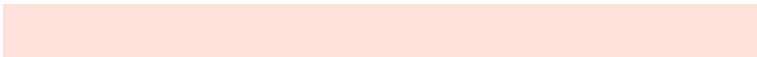
82.1169, 0.2910, 0.3354



65.6592, 0.3397, 0.3227

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.



82.1169, 0.3437, 0.3364



82.1169, 0.2910, 0.3354



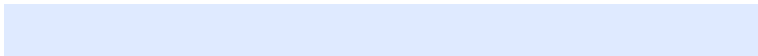
82.1169, 0.3198, 0.3102

Square

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



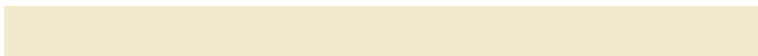
82.1169, 0.2910, 0.3354



82.1169, 0.2897, 0.3020



82.1169, 0.3347, 0.3223



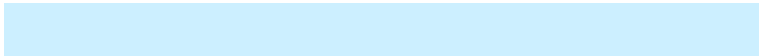
82.1169, 0.3359, 0.3566

Rectangle

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



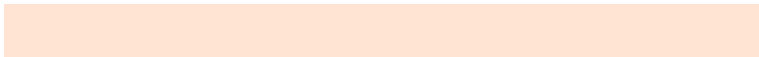
82.1169, 0.2910, 0.3354



82.1169, 0.2815, 0.3117



82.1169, 0.3347, 0.3223



82.1169, 0.3450, 0.3451

Sweetspot

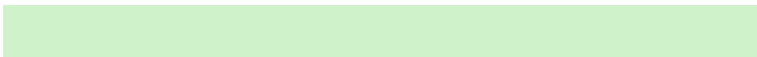
The Sweet Spot groups the original color and five complimentary colors.



82.1203, 0.2910, 0.3354



97.5394, 0.3060, 0.3308



81.1797, 0.3145, 0.3732



20.8062, 0.3050, 0.3311



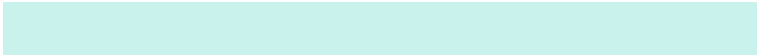
0.0000, 0.0000, 0.0000



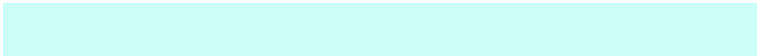
21.4041, 0.3127, 0.3290

Same Dimension

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



82.1203, 0.2910, 0.3354



91.0960, 0.2866, 0.3369



74.4491, 0.2870, 0.3137



17.8860, 0.3001, 0.3325



36.5206, 0.2380, 0.3767



3.0491, 0.2360, 0.3697

Inverse Universe

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



65.6592, 0.3397, 0.3227



69.1802, 0.3468, 0.3213



72.2463, 0.3419, 0.3439



15.7973, 0.3270, 0.3255



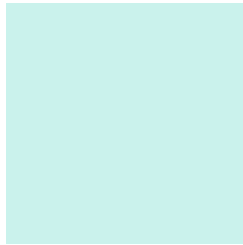
10.2222, 0.6194, 0.3186



0.8620, 0.5877, 0.3011

Previews

White Background



This preview shows how the Yxy color 82.1169, 0.2910, 0.3354 looks on a white background.

Color Contrast Check

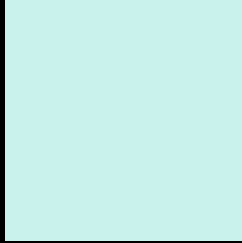
Large Text (above 18pt) WCAG AA × Fail

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 82.1169, 0.2910, 0.3354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

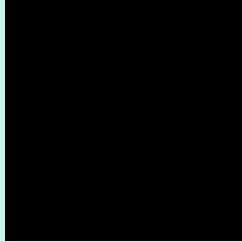
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

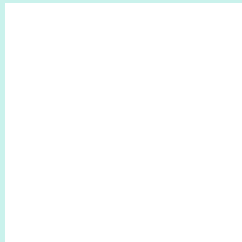
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1169, 0.2910, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 82.1169, 0.2910, 0.3354.

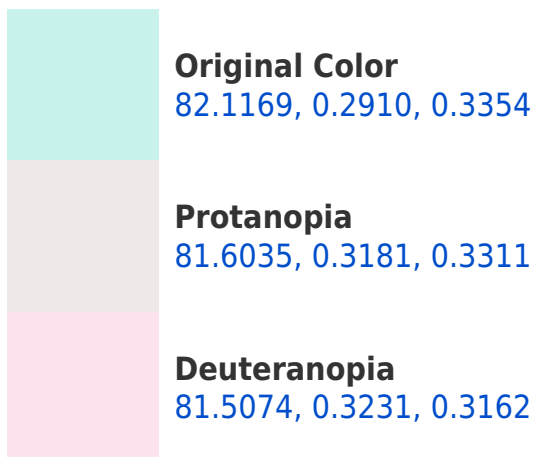


This preview shows how white text looks on a background with the Yxy color 82.1169, 0.2910, 0.3354.

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

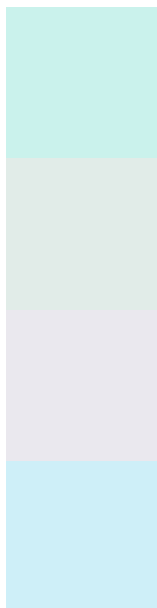




Tritanopia

81.9244, 0.2845, 0.3111

Trichromacy



Original Color

82.1169, 0.2910, 0.3354

Protanomaly

81.8247, 0.3079, 0.3332

Deuteranomaly

81.3787, 0.3103, 0.3228

Tritanomaly

81.6321, 0.2866, 0.3194

Monochromacy



Original Color

82.1169, 0.2910, 0.3354

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.7319, 0.3040, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1169, 0.2910, 0.3354 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(202, 242, 236)` looks like.

```
.text, #text, p{  
    color:rgb(202, 242, 236)  
}
```

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(202, 242, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 242, 236) }
```

Border

The CSS property to change the border of an element to Yxy 82.1169, 0.2910, 0.3354 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(202, 242, 236) }
```

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

```
.border{ border-color:rgb(202, 242, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 242, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 242, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 242, 236);  
box-shadow:4px 4px 4px 4px rgb(202, 242,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1169, 0.2910, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 242, 236) }
```

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

```
.background{ background-color: rgb(202,  
242, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor