

Converting Colors

$Yxy(80.7044, 0.2874, 0.3276)$

Have a look what the booklet for
Yxy(80.7044, 0.2874, 0.3276)
contains.

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Color

Yxy(80.5014, 0.2875, 0.3268)

Conversions

Conversions Part 1

Format	Color
Hex	C9EFF1
RGB	201, 239, 241
RGB Percent	79%, 94%, 95%
CMY	0.2119, 0.0627, 0.0550
CMYK	0.17, 0.01, 0.00, 0.05
HSL	183°, 59%, 87%
HSV	183°, 17%, 95%
XYZ	70.8205, 80.5014, 95.0104
YIQ	227.8660, -23.2900, -7.4340

Conversions

Conversions Part 2

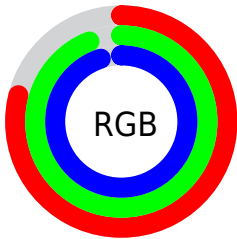
Format	Color
R_{YB}	201, 220, 241
Decimal	13234161
CIE _{Lab}	91.91, -11.84, -5.07
CIE _{LCh}	92, 12.875, 203.175
Y _{xy}	80.5014, 0.2875, 0.3268
Android (android.graphics.Color)	4291424241 (0xFFC9EFF1)
YUV	227.8660, 6.4751, -23.5615
Hunter-Lab	89.7226, -16.1195, 0.0215

Details

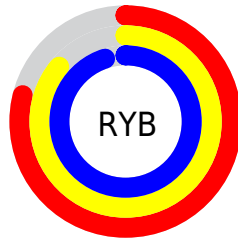
The Yxy color **80.5014, 0.2875, 0.3268** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.5904, 0.3441, 0.3312**, and the grayscale version is **77.4409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4807, 0.2816, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **76.7325, 0.2735, 0.3253**, and if you desaturate by 10%, it is **84.8054, 0.3025, 0.3282**.

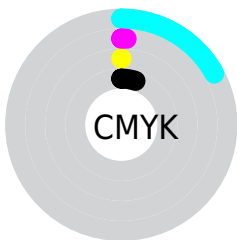
Distribution



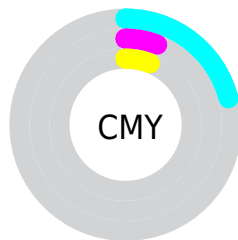
- Red (79%)
- Green (94%)
- Blue (95%)



- Red (79%)
- Yellow (86%)
- Blue (95%)



- Cyan (17%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)



- Cyan (21%)
- Magenta (6%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5014, 0.2875, 0.3268 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 80.5014, 0.2875, 0.3268 by changing the saturation by 10% instead.

80.5014, 0.2875,
0.3268

80.5014, 0.2875,
0.3268

496.6210, 0.2989,
0.3279

60.1310, 0.2850,
0.3265

134.0704, 0.2914,
0.3272

43.5243, 0.2819,
0.3262

168.0379, 0.2929,
0.3274

30.2967, 0.2780,
0.3257

207.3066, 0.2943,
0.3275

20.0639, 0.2730,
0.3251

252.2608, 0.2954,
0.3276

12.4415, 0.2663,
0.3242

303.2849, 0.2964,
0.3277

7.0451, 0.2570,
0.3228

360.7634, 0.2973,

3.4903, 0.2431,

0.3278

0.3204

425.0806, 0.2982,
0.3279

■ 1.3928, 0.2200,
0.3158

■ 0.2114, 0.0000,
0.2656

■ 80.5014, 0.2875,
0.3268

■ 80.5014, 0.2875,
0.3268

■ 76.7325, 0.2735,
0.3253

■ 84.8054, 0.3025,
0.3282

■ 73.4643, 0.2607,
0.3238


■ 89.6572, 0.3181,
0.3294

■ 70.6739, 0.2495,
0.3222

■ 91.4534, 0.3218,
0.3306


■ 68.3325, 0.2399,
0.3205

■ 92.1627, 0.3217,
0.3317


 66.4083, 0.2323,
0.3189

 92.8766, 0.3216,
0.3329


 64.8652, 0.2267,
0.3172

 93.5951, 0.3216,
0.3340

 63.6612, 0.2229,
0.3155

 94.3182, 0.3215,
0.3351

 62.7429, 0.2209,
0.3139

 95.0459, 0.3214,
0.3363

 62.4674, 0.2204,
0.3134

 95.7783, 0.3213,
0.3374

Harmonies

Analogous

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



80.5014, 0.2977, 0.3405



80.5014, 0.2875, 0.3268



80.5014, 0.2839, 0.3141

Triad

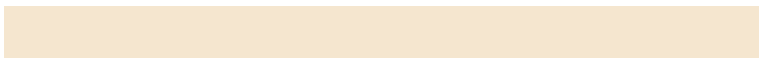
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5014, 0.2875, 0.3268



80.5014, 0.3128, 0.3082



80.5014, 0.3381, 0.3522

Complementary

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



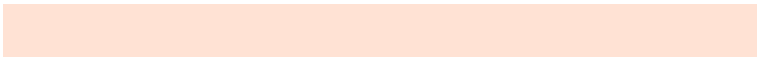
80.5014, 0.2875, 0.3268



65.5904, 0.3441, 0.3312

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.



80.5014, 0.3424, 0.3429



80.5014, 0.2875, 0.3268



80.5014, 0.3276, 0.3178

Square

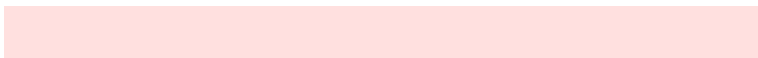
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5014, 0.2875, 0.3268



80.5014, 0.2983, 0.3038



80.5014, 0.3386, 0.3303



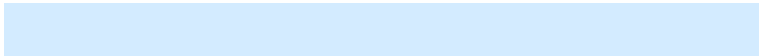
80.5014, 0.3269, 0.3554

Rectangle

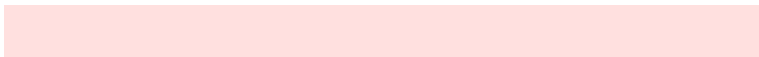
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



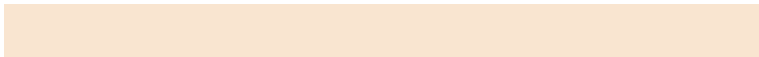
80.5014, 0.2875, 0.3268



80.5014, 0.2857, 0.3079



80.5014, 0.3386, 0.3303



80.5014, 0.3404, 0.3497

Sweetspot

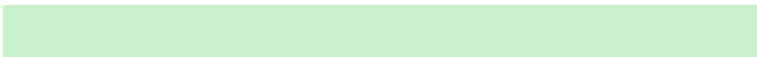
The Sweet Spot groups the original color and five complimentary colors.



80.5047, 0.2875, 0.3268



97.2625, 0.3049, 0.3284



79.5910, 0.3098, 0.3724



20.7386, 0.3038, 0.3283



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.



80.5047, 0.2875, 0.3268



89.9889, 0.2825, 0.3263



69.7584, 0.2865, 0.3054



17.7880, 0.2981, 0.3278



33.9402, 0.2205, 0.3136



2.8641, 0.2211, 0.3158

Inverse Universe

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



66.6857, 0.3160, 0.2898



71.5054, 0.3168, 0.2815



75.3183, 0.3408, 0.3515



16.0172, 0.3146, 0.3069



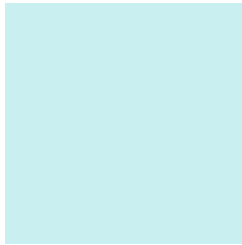
13.2196, 0.3336, 0.1611



1.1039, 0.3318, 0.1601

Previews

White Background



This preview shows how the Yxy color 80.5014, 0.2875, 0.3268 looks on a white background.

Color Contrast Check

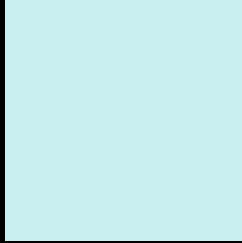
Large Text (above 18pt) WCAG AA × Fail

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 80.5014, 0.2875, 0.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

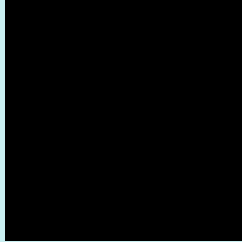
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

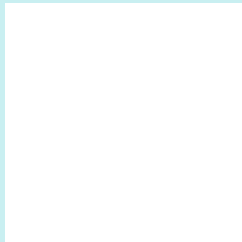
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5014, 0.2875, 0.3268

Background



This preview shows how black text looks on a background with the Yxy color 80.5014, 0.2875, 0.3268.

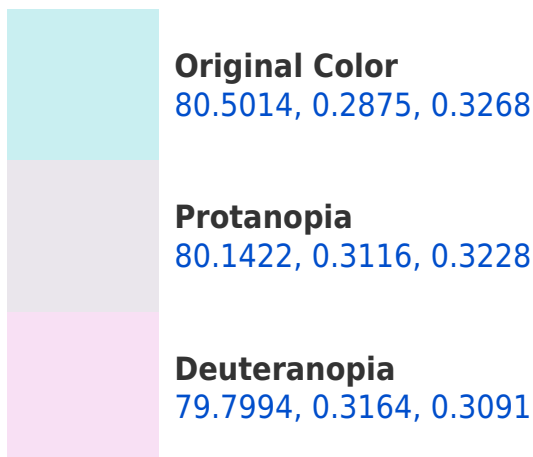


This preview shows how white text looks on a background with the Yxy color 80.5014, 0.2875, 0.3268.

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

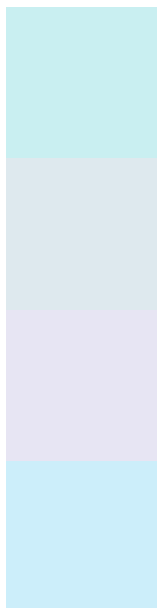




Tritanopia

80.7675, 0.2821, 0.3099

Trichromacy



Original Color

80.5014, 0.2875, 0.3268

Protanomaly

79.9805, 0.3023, 0.3237

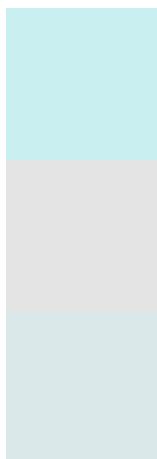
Deuteranomaly

79.4986, 0.3053, 0.3146

Tritanomaly

80.8886, 0.2843, 0.3162

Monochromacy



Original Color

80.5014, 0.2875, 0.3268

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.5018, 0.3027, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5014, 0.2875, 0.3268 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(201, 239, 241)` looks like.

```
.text, #text, p{  
    color:rgb(201, 239, 241)  
}
```

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(201, 239, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 239, 241) }
```

Border

The CSS property to change the border of an element to Yxy 80.5014, 0.2875, 0.3268 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(201, 239, 241) }
```

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

```
.border{ border-color:rgb(201, 239, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 239, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 239, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 239, 241);  
box-shadow:4px 4px 4px 4px rgb(201, 239,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5014, 0.2875, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 239, 241) }
```

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

```
.background{ background-color: rgb(201,  
239, 241) }
```

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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