

Converting Colors

Yxy(81.8761, 0.2870, 0.3166)

Have a look what the booklet for
Yxy(81.8761, 0.2870, 0.3166)
contains.

Yxy(82.1904, 0.2873, 0.3173)	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(82.1904, 0.2873, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	D1EFFA
RGB	209, 239, 250
RGB Percent	82%, 94%, 98%
CMY	0.1804, 0.0627, 0.0194
CMYK	0.16, 0.04, 0.00, 0.02
HSL	196°, 81%, 90%
HSV	196°, 16%, 98%
XYZ	74.4195, 82.1904, 102.4207
YIQ	231.2840, -21.4110, -2.9390

Conversions

Conversions Part 2

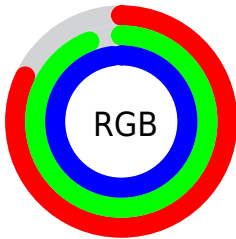
Format	Color
R _{YB}	209, 226, 250
Decimal	13758458
CIE Lab	92.66, -7.51, -8.62
CIE LCh	93, 11.435, 228.919
Yxy	82.1904, 0.2873, 0.3173
Android (android.graphics.Color)	4291948538 (0xFFD1EFFA)
YUV	231.2840, 9.2270, -19.5431
Hunter-Lab	90.6589, -12.1272, -3.5208

Details

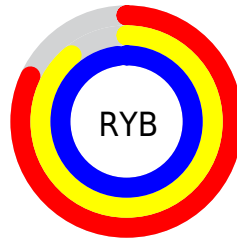
The Yxy color **82.1904, 0.2873, 0.3173** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.1397, 0.3423, 0.3404**, and the grayscale version is **80.0780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6320, 0.2813, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **74.9632, 0.2721, 0.3093**, and if you desaturate by 10%, it is **90.1433, 0.3028, 0.3247**.

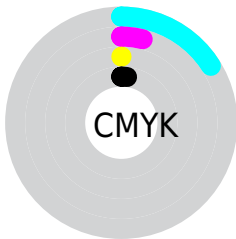
Distribution



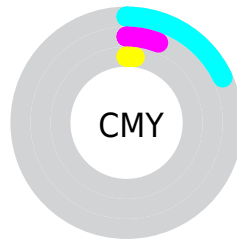
- Red (82%)
- Green (94%)
- Blue (98%)



- Red (82%)
- Yellow (89%)
- Blue (98%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1904, 0.2873, 0.3173 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 82.1904, 0.2873, 0.3173 by changing the saturation by 10% instead.

82.1904, 0.2873,
0.3173

82.1904, 0.2873,
0.3173

502.2843, 0.2987,
0.3227

61.5225, 0.2848,
0.3161

136.4410, 0.2912,
0.3192

44.6470, 0.2817,
0.3146

170.7924, 0.2927,
0.3199

31.1795, 0.2778,
0.3126

210.4739, 0.2941,
0.3205

20.7355, 0.2729,
0.3101

255.8696, 0.2952,
0.3211

12.9308, 0.2663,
0.3068

307.3642, 0.2963,
0.3216

7.3809, 0.2572,
0.3019

365.3419, 0.2972,

3.7015, 0.2437,

0.3220

0.2945

430.1872, 0.2980,
0.3224

■ 1.5080, 0.2217,
0.2816

■ 0.2943, 0.0733,
0.2240

■ 82.1904, 0.2873,
0.3173

■ 82.1904, 0.2873,
0.3173

■ 74.9632, 0.2721,
0.3093

■ 90.1433, 0.3028,
0.3247

■ 68.4233, 0.2575,
0.3006

■ 98.0715, 0.3157,
0.3313

■ 62.5438, 0.2439,
0.2913

■ 99.6850, 0.3156,
0.3337

■ 57.2917, 0.2316,
0.2816

■ 52.6305, 0.2210,
0.2715

■ 48.5193, 0.2122,
0.2613

■ 44.9101, 0.2055,
0.2511

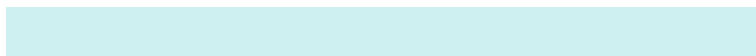
■ 41.7436, 0.2007,
0.2410

■ 40.6851, 0.1993,
0.2374

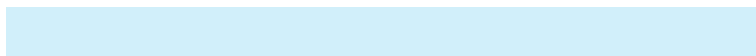
Harmonies

Analogous

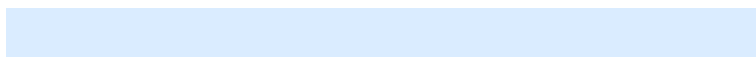
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1904, 0.2914, 0.3289



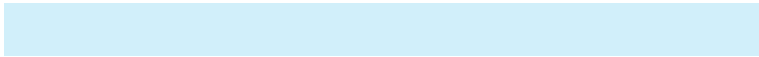
82.1904, 0.2873, 0.3173



82.1904, 0.2898, 0.3093

Triad

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



82.1904, 0.2873, 0.3173



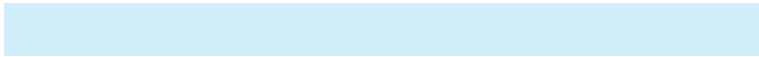
82.1904, 0.3242, 0.3177



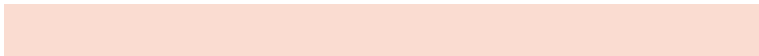
82.1904, 0.3269, 0.3522

Complementary

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



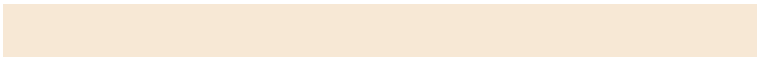
82.1904, 0.2873, 0.3173



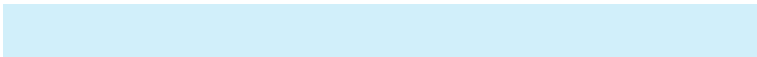
76.1397, 0.3423, 0.3404

Split Complementary

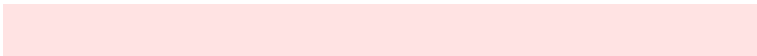
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1904, 0.3360, 0.3486



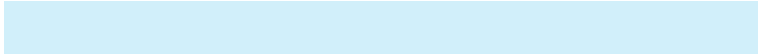
82.1904, 0.2873, 0.3173



82.1904, 0.3345, 0.3286

Square

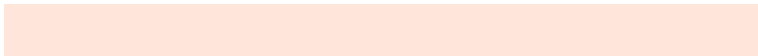
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



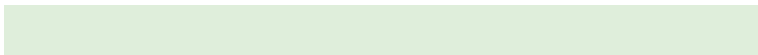
82.1904, 0.2873, 0.3173



82.1904, 0.3109, 0.3097



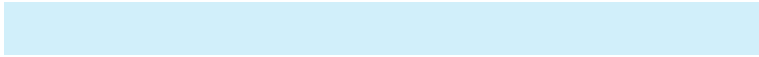
82.1904, 0.3388, 0.3399



82.1904, 0.3141, 0.3494

Rectangle

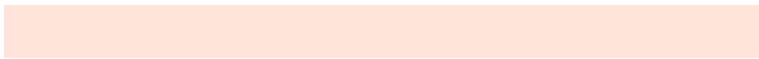
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1904, 0.2873, 0.3173



82.1904, 0.2949, 0.3068



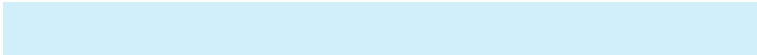
82.1904, 0.3388, 0.3399



82.1904, 0.3305, 0.3517

Sweetspot

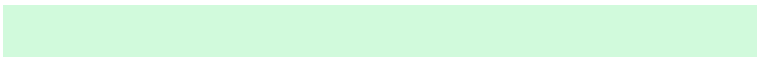
The Sweet Spot groups the original color and five complimentary colors.



82.1938, 0.2873, 0.3173



95.4929, 0.3050, 0.3256



87.1177, 0.3044, 0.3613



20.3072, 0.3039, 0.3252



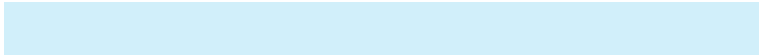
0.0000, 0.0000, 0.0000



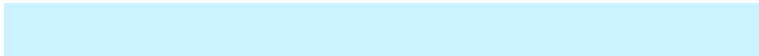
21.4041, 0.3127, 0.3290

Same Dimension

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



82.1938, 0.2873, 0.3173



83.1352, 0.2818, 0.3145



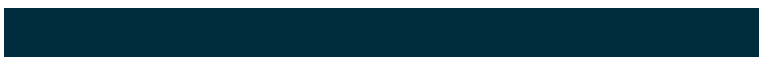
70.8983, 0.2863, 0.2951



18.7724, 0.2980, 0.3225



21.8220, 0.1998, 0.2391



2.1960, 0.2031, 0.2511

Inverse Universe

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



72.1613, 0.3223, 0.2988



70.8135, 0.3247, 0.2920



87.5305, 0.3389, 0.3607



17.4402, 0.3179, 0.3118



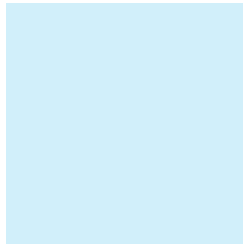
12.6139, 0.4033, 0.1995



1.1859, 0.3911, 0.1928

Previews

White Background



This preview shows how the Yxy color 82.1904, 0.2873, 0.3173 looks on a white background.

Color Contrast Check

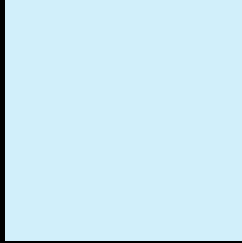
Large Text (above 18pt) WCAG AA × Fail

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 82.1904, 0.2873, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

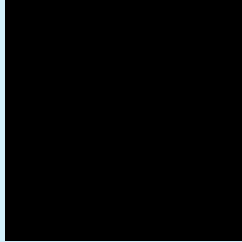
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

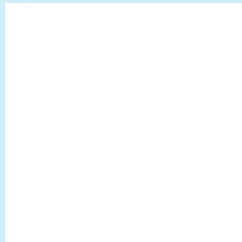
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1904, 0.2873, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 82.1904, 0.2873, 0.3173.

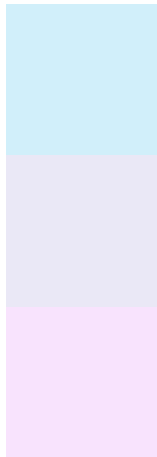


This preview shows how white text looks on a background with the Yxy color 82.1904, 0.2873, 0.3173.

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

82.1904, 0.2873, 0.3173

Protanopia

81.8595, 0.3054, 0.3147

Deuteranopia

81.9865, 0.3105, 0.3034



Tritanopia

82.3661, 0.2863, 0.3112

Trichromacy



Original Color

82.1904, 0.2873, 0.3173

Protanomaly

82.1396, 0.2989, 0.3166

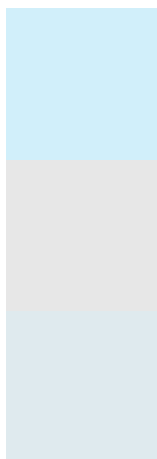
Deuteranomaly

81.6725, 0.3017, 0.3077

Tritanomaly

82.0898, 0.2868, 0.3132

Monochromacy



Original Color

82.1904, 0.2873, 0.3173

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.7067, 0.3030, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1904, 0.2873, 0.3173 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(209, 239, 250)` looks like.

```
.text, #text, p{  
    color:rgb(209, 239, 250)  
}
```

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(209, 239, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 239, 250) }
```

Border

The CSS property to change the border of an element to Yxy 82.1904, 0.2873, 0.3173 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(209, 239, 250) }
```

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

```
.border{ border-color:rgb(209, 239, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 239, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 239, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 239, 250);  
box-shadow:4px 4px 4px 4px rgb(209, 239,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1904, 0.2873, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 239, 250) }
```

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

```
.background{ background-color: rgb(209,  
239, 250) }
```

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