

Converting Colors

$Yxy(78.2155, 0.2865, 0.3120)$

Have a look what the booklet for
Yxy(78.2155, 0.2865, 0.3120)
contains.

Yxy(78.3828, 0.2864, 0.3119)	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(78.3828, 0.2864, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	CFE9F9
RGB	207, 233, 249
RGB Percent	81%, 91%, 98%
CMY	0.1881, 0.0863, 0.0236
CMYK	0.17, 0.06, 0.00, 0.02
HSL	203°, 78%, 89%
HSV	203°, 17%, 98%
XYZ	71.9745, 78.3828, 100.9502
YIQ	227.0500, -20.6320, -0.5360

Conversions

Conversions Part 2

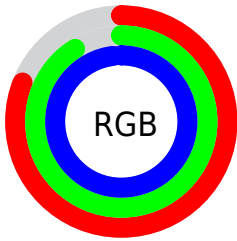
Format	Color
R _Y B	207, 223, 249
Decimal	13625849
CIE Lab	90.95, -5.27, -10.62
CIE LCh	91, 11.852, 243.597
Yxy	78.3828, 0.2864, 0.3119
Android (android.graphics.Color)	4291815929 (0xFFCFE9F9)
YUV	227.0500, 10.8214, -17.5838
Hunter-Lab	88.5341, -9.8216, -5.6311

Details

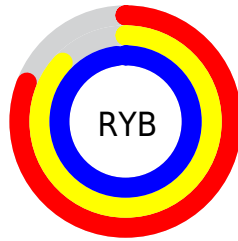
The Yxy color **78.3828, 0.2864, 0.3119** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4322, 0.3424, 0.3455**, and the grayscale version is **76.7903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9699, 0.2799, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **69.8480, 0.2706, 0.3003**, and if you desaturate by 10%, it is **87.7786, 0.3021, 0.3224**.

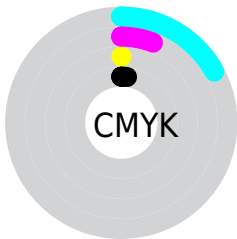
Distribution



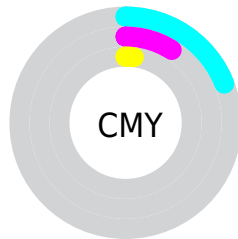
- Red (81%)
- Green (91%)
- Blue (98%)



- Red (81%)
- Yellow (87%)
- Blue (98%)



- Cyan (17%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (19%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3828, 0.2864, 0.3119 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 78.3828, 0.2864, 0.3119 by changing the saturation by 10% instead.

■ 78.3828, 0.2864,
0.3119

■ 78.3828, 0.2864,
0.3119

489.4659, 0.2983,
0.3198

■ 58.3885, 0.2837,
0.3101

131.0896, 0.2905,
0.3146

■ 42.1211, 0.2805,
0.3079

164.5709, 0.2921,
0.3157

■ 29.1961, 0.2764,
0.3051

203.3166, 0.2935,
0.3166

■ 19.2292, 0.2711,
0.3015

247.7112, 0.2947,
0.3174

■ 11.8360, 0.2641,
0.2966

298.1390, 0.2958,
0.3181

■ 6.6321, 0.2542,
0.2895

354.9845, 0.2967,

■ 3.2331, 0.2395,

0.3187

0.2787

418.6320, 0.2976,
0.3193

■ 1.2546, 0.2150,
0.2601

■ 0.1056, 0.0000,
0.1097

■ 78.3828, 0.2864,
0.3119

■ 78.3828, 0.2864,
0.3119

■ 69.8480, 0.2706,
0.3003

■ 87.7786, 0.3021,
0.3224

■ 62.1335, 0.2552,
0.2877

■ 97.7063, 0.3164,
0.3319

■ 55.2094, 0.2403,
0.2742

■ 99.6190, 0.3162,
0.3347

■ 49.0399, 0.2266,
0.2600

■ 43.5856, 0.2143,
0.2453

■ 38.8021, 0.2040,
0.2303

■ 34.6385, 0.1957,
0.2155

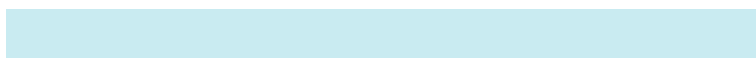
■ 31.0310, 0.1896,
0.2010

■ 29.9813, 0.1879,
0.1965

Harmonies

Analogous

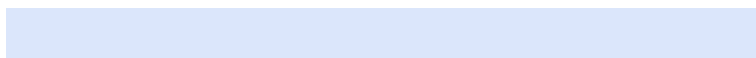
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3828, 0.2873, 0.3226



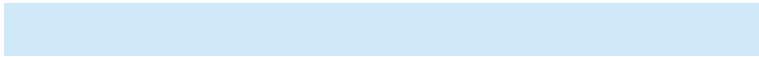
78.3828, 0.2864, 0.3119



78.3828, 0.2923, 0.3061

Triad

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



78.3828, 0.2864, 0.3119



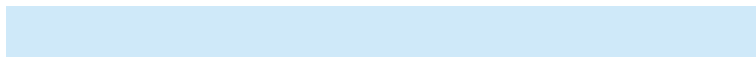
78.3828, 0.3307, 0.3225



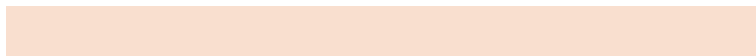
78.3828, 0.3213, 0.3529

Complementary

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



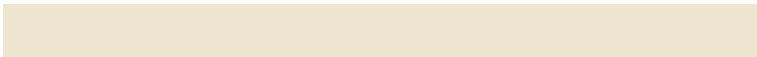
78.3828, 0.2864, 0.3119



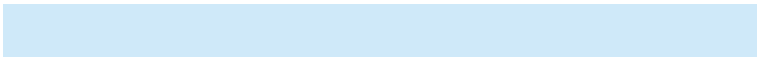
77.4322, 0.3424, 0.3455

Split Complementary

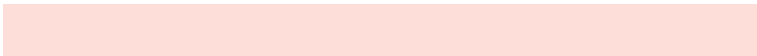
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3828, 0.3333, 0.3523



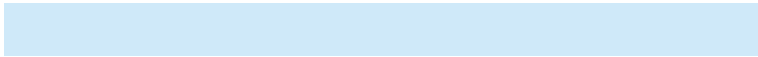
78.3828, 0.2864, 0.3119



78.3828, 0.3388, 0.3345

Square

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



78.3828, 0.2864, 0.3119



78.3828, 0.3178, 0.3123



78.3828, 0.3397, 0.3454



78.3828, 0.3073, 0.3467

Rectangle

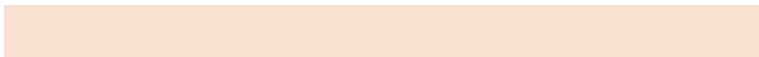
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3828, 0.2864, 0.3119



78.3828, 0.2995, 0.3055



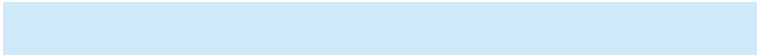
78.3828, 0.3397, 0.3454



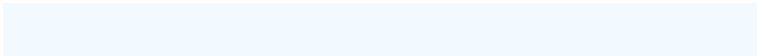
78.3828, 0.3257, 0.3535

Sweetspot

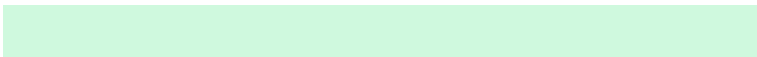
The Sweet Spot groups the original color and five complimentary colors.



78.3860, 0.2864, 0.3119



94.6002, 0.3050, 0.3242



86.3121, 0.3018, 0.3576



20.0899, 0.3039, 0.3235



0.0000, 0.0000, 0.0000



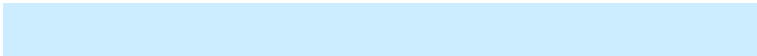
21.4041, 0.3127, 0.3290

Same Dimension

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



78.3860, 0.2864, 0.3119



79.7967, 0.2814, 0.3083



67.5089, 0.2853, 0.2895



18.4322, 0.2980, 0.3197



16.3328, 0.1886, 0.1989



1.7173, 0.1934, 0.2161

Inverse Universe

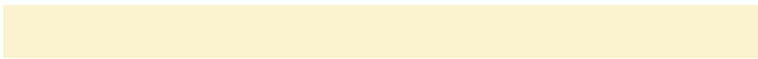
The Inverse Universe completely reimagines the original color for something new.



70.6617, 0.3259, 0.3027



70.4765, 0.3289, 0.2975



88.9835, 0.3390, 0.3656



17.4059, 0.3197, 0.3144



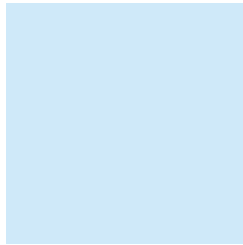
12.0597, 0.4466, 0.2234



1.1376, 0.4275, 0.2129

Previews

White Background



This preview shows how the Yxy color 78.3828, 0.2864, 0.3119 looks on a white background.

Color Contrast Check

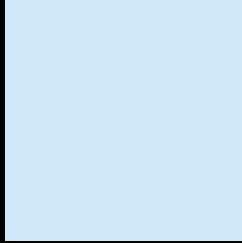
Large Text (above 18pt) WCAG AA × Fail

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 78.3828, 0.2864, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

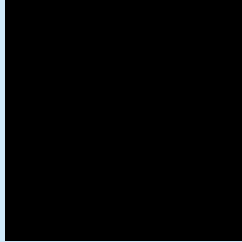
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

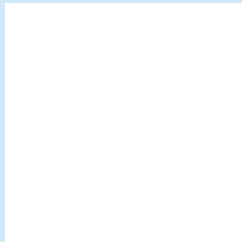
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3828, 0.2864, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 78.3828, 0.2864, 0.3119.

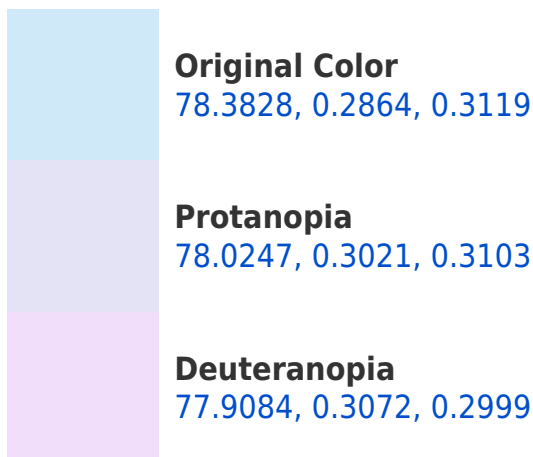


This preview shows how white text looks on a background with the Yxy color 78.3828, 0.2864, 0.3119.

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

78.5083, 0.2853, 0.3098

Trichromacy



Original Color

78.3828, 0.2864, 0.3119

Protanomaly

77.9081, 0.2962, 0.3111

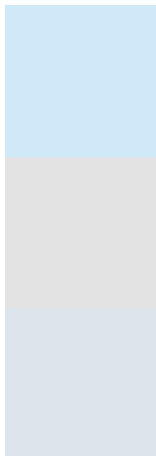
Deuteranomaly

77.9529, 0.2997, 0.3043

Tritanomaly

78.4454, 0.2858, 0.3109

Monochromacy



Original Color

78.3828, 0.2864, 0.3119

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.2524, 0.3029, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3828, 0.2864, 0.3119 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(207, 233, 249)` looks like.

```
.text, #text, p{  
    color:rgb(207, 233, 249)  
}
```

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(207, 233, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 233, 249) }
```

Border

The CSS property to change the border of an element to Yxy 78.3828, 0.2864, 0.3119 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(207, 233, 249) }
```

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

```
.border{ border-color:rgb(207, 233, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 233, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 233, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 233, 249);  
box-shadow:4px 4px 4px 4px rgb(207, 233,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3828, 0.2864, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 233, 249) }
```

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

```
.background{ background-color: rgb(207,  
233, 249) }
```

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