

Converting Colors

Yxy(81.1666, 0.2840, 0.3128)

Have a look what the booklet for
Yxy(81.1666, 0.2840, 0.3128)
contains.

Yxy(81.3627, 0.2838, 0.3131)	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(81.3627, 0.2838, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	CEEEEFD
RGB	206, 238, 253
RGB Percent	81%, 93%, 99%
CMY	0.1923, 0.0666, 0.0078
CMYK	0.19, 0.06, 0.00, 0.01
HSL	199°, 92%, 90%
HSV	199°, 19%, 99%
XYZ	73.7488, 81.3627, 104.7503
YIQ	230.1420, -23.8870, -2.1190

Conversions

Conversions Part 2

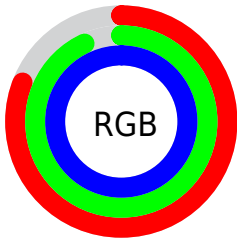
Format	Color
R _{YB}	206, 225, 253
Decimal	13561597
CIE Lab	92.29, -7.33, -10.73
CIE LCh	92, 12.988, 235.666
Yxy	81.3627, 0.2838, 0.3131
Android (android.graphics.Color)	4291751677 (0xFFCDEEFD)
YUV	230.1420, 11.2690, -21.1725
Hunter-Lab	90.2013, -11.9103, -5.7123

Details

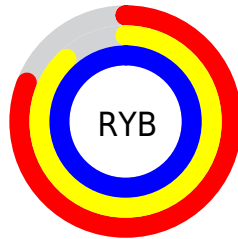
The Yxy color **81.3627, 0.2838, 0.3131** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.0227, 0.3465, 0.3444**, and the grayscale version is **79.1662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0207, 0.2776, 0.3098** is the 20% darker color. If you saturate the color by 10%, you get **73.4429, 0.2684, 0.3033**, and if you desaturate by 10%, it is **90.0822, 0.2994, 0.3220**.

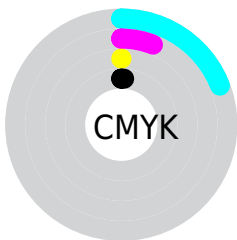
Distribution



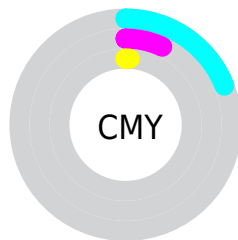
- Red (81%)
- Green (93%)
- Blue (99%)



- Red (81%)
- Yellow (88%)
- Blue (99%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (19%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3627, 0.2838, 0.3131 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 81.3627, 0.2838, 0.3131 by changing the saturation by 10% instead.

81.3627, 0.2838,
0.3131

81.3627, 0.2838,
0.3131

499.5134, 0.2968,
0.3204

60.8404, 0.2809,
0.3114

135.2799, 0.2882,
0.3156

44.0963, 0.2774,
0.3094

169.4436, 0.2900,
0.3166

30.7463, 0.2730,
0.3068

208.9232, 0.2915,
0.3175

20.4057, 0.2674,
0.3034

254.1031, 0.2928,
0.3182

12.6903, 0.2600,
0.2989

305.3676, 0.2940,
0.3189

7.2156, 0.2496,
0.2924

363.1013, 0.2950,

3.5973, 0.2343,

0.3195

0.2825

427.6884, 0.2960,
0.3200

1.4510, 0.2096,
0.2656

0.2538, 0.0465,
0.1889

81.3627, 0.2838,
0.3131

81.3627, 0.2838,
0.3131

73.4429, 0.2684,
0.3033

90.0822, 0.2994,
0.3220

66.2821, 0.2536,
0.2928

99.3234, 0.3139,
0.3301

59.8509, 0.2396,
0.2815

99.8723, 0.3139,
0.3309

54.1134, 0.2270,
0.2697

■ 49.0301, 0.2160,
0.2575

■ 44.5561, 0.2069,
0.2452

■ 40.6390, 0.1999,
0.2329

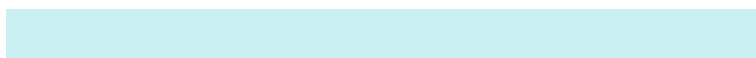
■ 37.2051, 0.1949,
0.2209

■ 36.7484, 0.1942,
0.2192

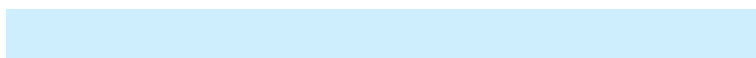
Harmonies

Analogous

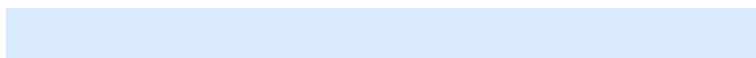
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3627, 0.2868, 0.3256



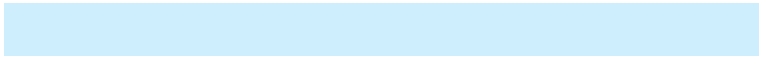
81.3627, 0.2838, 0.3131



81.3627, 0.2883, 0.3053

Triad

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



81.3627, 0.2838, 0.3131



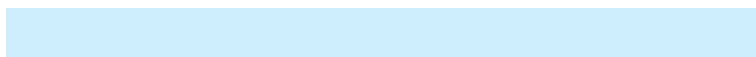
81.3627, 0.3288, 0.3187



81.3627, 0.3258, 0.3555

Complementary

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



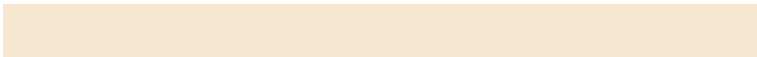
81.3627, 0.2838, 0.3131



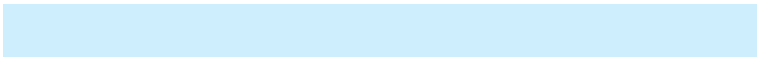
77.0227, 0.3465, 0.3444

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.



81.3627, 0.3375, 0.3528



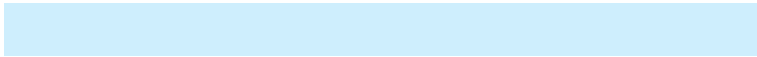
81.3627, 0.2838, 0.3131



81.3627, 0.3393, 0.3314

Square

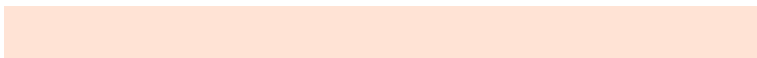
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



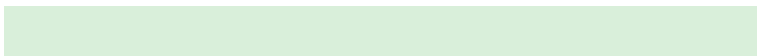
81.3627, 0.2838, 0.3131



81.3627, 0.3141, 0.3087



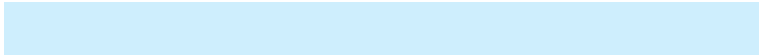
81.3627, 0.3425, 0.3439



81.3627, 0.3108, 0.3506

Rectangle

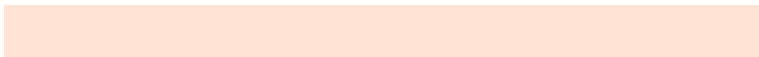
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



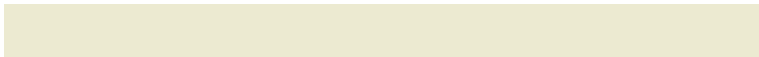
81.3627, 0.2838, 0.3131



81.3627, 0.2950, 0.3035



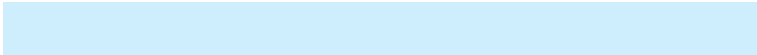
81.3627, 0.3425, 0.3439



81.3627, 0.3303, 0.3554

Sweetspot

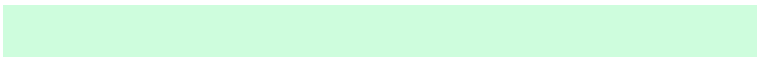
The Sweet Spot groups the original color and five complimentary colors.



81.3660, 0.2838, 0.3131



94.1419, 0.3034, 0.3242



88.5829, 0.3020, 0.3635



20.0177, 0.3024, 0.3237



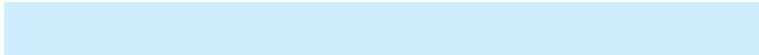
0.0000, 0.0000, 0.0000



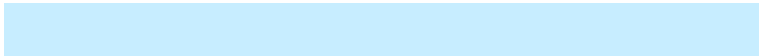
21.4041, 0.3127, 0.3290

Same Dimension

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



81.3660, 0.2838, 0.3131



79.9898, 0.2785, 0.3099



68.5960, 0.2824, 0.2875



19.4481, 0.2980, 0.3212



19.8221, 0.1948, 0.2212



2.1272, 0.1986, 0.2349

Inverse Universe

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



71.1792, 0.3254, 0.2969



68.1826, 0.3282, 0.2908



90.2686, 0.3423, 0.3673



18.1961, 0.3187, 0.3129



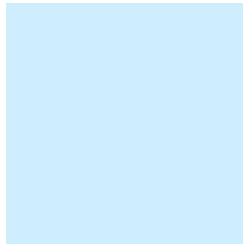
12.7290, 0.4220, 0.2098



1.2593, 0.4075, 0.2019

Previews

White Background



This preview shows how the Yxy color 81.3627, 0.2838, 0.3131 looks on a white background.

Color Contrast Check

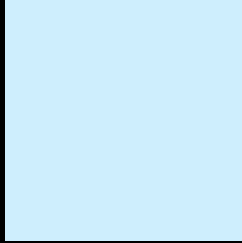
Large Text (above 18pt) WCAG AA × Fail

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 81.3627, 0.2838, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

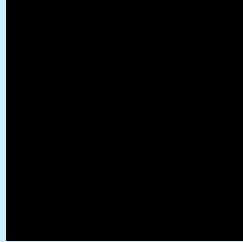
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

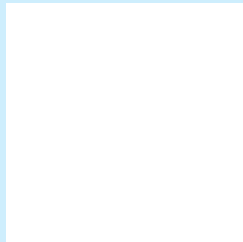
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.3627, 0.2838, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 81.3627, 0.2838, 0.3131.



This preview shows how white text looks on a background with the Yxy color 81.3627, 0.2838, 0.3131.

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

81.3627, 0.2838, 0.3131

Protanopia

81.1472, 0.3022, 0.3106

Deuteranopia

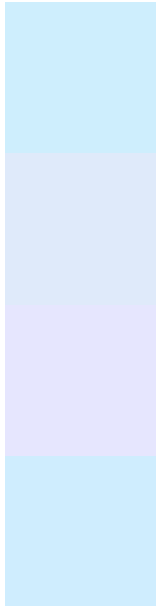
80.8458, 0.3066, 0.3002



Tritanopia

81.1983, 0.2839, 0.3100

Trichromacy



Original Color

81.3627, 0.2838, 0.3131

Protanomaly

81.4357, 0.2958, 0.3124

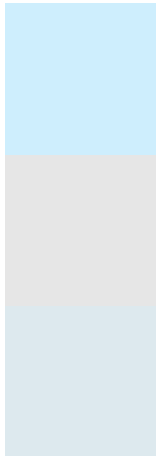
Deuteranomaly

80.5724, 0.2979, 0.3046

Tritanomaly

80.9895, 0.2838, 0.3110

Monochromacy



Original Color

81.3627, 0.2838, 0.3131

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.8230, 0.3017, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3627, 0.2838, 0.3131 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(206, 238, 253)` looks like.

```
.text, #text, p{  
    color:rgb(206, 238, 253)  
}
```

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(206, 238, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 238, 253) }
```

Border

The CSS property to change the border of an element to Yxy 81.3627, 0.2838, 0.3131 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(206, 238, 253) }
```

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

```
.border{ border-color:rgb(206, 238, 253) }
```

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

Here you see how a box with a 4 pixel rgb(206, 238, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 238, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 238, 253);  
box-shadow:4px 4px 4px 4px rgb(206, 238,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3627, 0.2838, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 238, 253) }
```

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

```
.background{ background-color: rgb(206,  
238, 253) }
```

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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