

Converting Colors

$Y_{xy}(87.8296, 0.2474, 0.2470)$

Have a look what the booklet for
Yxy(87.8296, 0.2474, 0.2470)
contains.

Yxy(82.3775, 0.2817, 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(82.3775, 0.2817, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	CCF0FF
RGB	204, 240, 255
RGB Percent	80%, 94%, 100%
CMY	0.1999, 0.0588, 0.0000
CMYK	0.20, 0.06, 0.00, 0.00
HSL	198°, 100%, 90%
HSV	198°, 20%, 100%
XYZ	74.1161, 82.3775, 106.6093
YIQ	230.9460, -26.2710, -2.9670

Conversions

Conversions Part 2

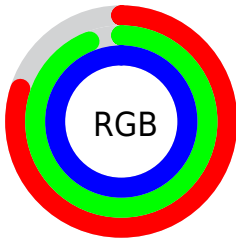
Format	Color
RYB	204, 225, 255
Decimal	13431039
CIELab	92.74, -8.50, -11.11
CIELCh	93, 13.989, 232.600
Yxy	82.3775, 0.2817, 0.3131
Android (android.graphics.Color)	4291621119 (0xFFCCCF0FF)
YUV	230.9460, 11.8586, -23.6316
Hunter-Lab	90.7621, -13.0709, -6.1087

Details

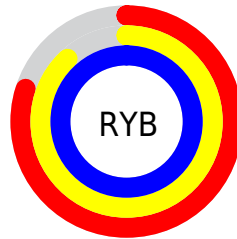
The Yxy color **82.3775, 0.2817, 0.3131** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2926, 0.3497, 0.3444**, and the grayscale version is **79.7972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7478, 0.2750, 0.3098** is the 20% darker color. If you saturate the color by 10%, you get **74.7402, 0.2665, 0.3040**, and if you desaturate by 10%, it is **90.7927, 0.2972, 0.3215**.

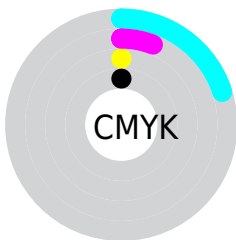
Distribution



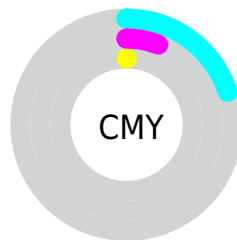
- Red (80%)
- Green (94%)
- Blue (100%)



- Red (80%)
- Yellow (88%)
- Blue (100%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3775, 0.2817, 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 82.3775, 0.2817, 0.3131 by changing the saturation by 10% instead.

82.3775, 0.2817,
0.3131

82.3775, 0.2817,
0.3131

502.9095, 0.2956,
0.3204

61.6767, 0.2786,
0.3114

136.7033, 0.2864,
0.3156

44.7716, 0.2749,
0.3094

171.0971, 0.2883,
0.3166

31.2775, 0.2702,
0.3068

210.8240, 0.2899,
0.3175

20.8103, 0.2643,
0.3034

256.2685, 0.2913,
0.3182

12.9854, 0.2564,
0.2989

307.8149, 0.2926,
0.3189

7.4185, 0.2455,
0.2924

365.8476, 0.2937,

3.7252, 0.2295,

0.3195

0.2825

430.7510, 0.2947,
0.3200

1.5210, 0.2039,
0.2655

0.3035, 0.0540,
0.2024

82.3775, 0.2817,
0.3131

82.3775, 0.2817,
0.3131

74.7402, 0.2665,
0.3040

90.7927, 0.2972,
0.3215

67.8419, 0.2520,
0.2942

100.0000, 0.3127,
0.3290

61.6521, 0.2385,
0.2838

56.1343, 0.2264,
0.2729

■ 51.2482, 0.2160,
0.2617

■ 46.9480, 0.2076,
0.2504

■ 43.1793, 0.2013,
0.2392

■ 39.8548, 0.1967,
0.2281

■ 39.8526, 0.1967,
0.2281

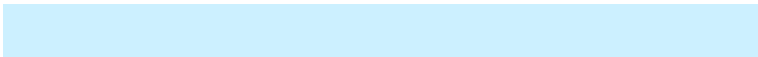
Harmonies

Analogous

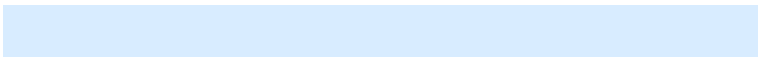
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3775, 0.2857, 0.3269



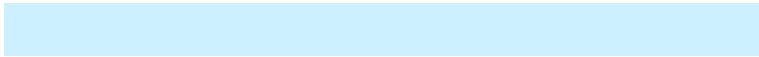
82.3775, 0.2817, 0.3131



82.3775, 0.2857, 0.3041

Triad

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



82.3775, 0.2817, 0.3131



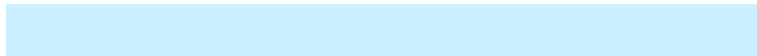
82.3775, 0.3285, 0.3167



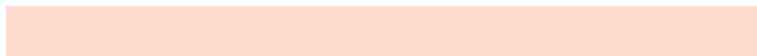
82.3775, 0.3282, 0.3575

Complementary

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



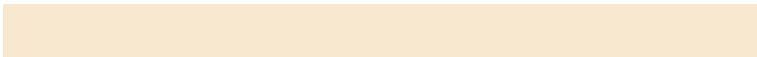
82.3775, 0.2817, 0.3131



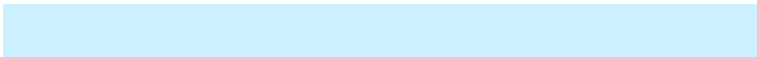
76.2926, 0.3497, 0.3444

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.



82.3775, 0.3402, 0.3539



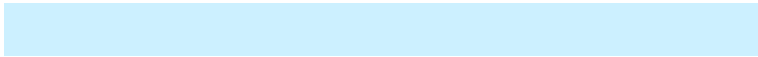
82.3775, 0.2817, 0.3131



82.3775, 0.3404, 0.3301

Square

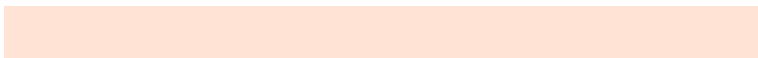
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



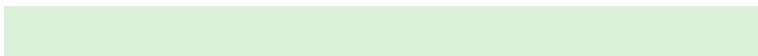
82.3775, 0.2817, 0.3131



82.3775, 0.3125, 0.3064



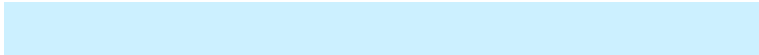
82.3775, 0.3448, 0.3437



82.3775, 0.3123, 0.3531

Rectangle

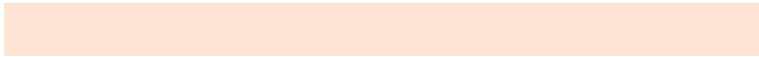
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3775, 0.2817, 0.3131



82.3775, 0.2925, 0.3018



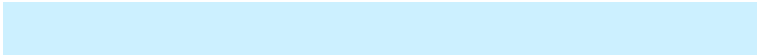
82.3775, 0.3448, 0.3437



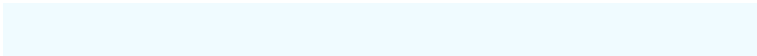
82.3775, 0.3329, 0.3572

Sweetspot

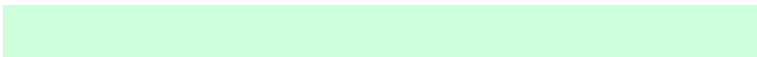
The Sweet Spot groups the original color and five complimentary colors.



82.3802, 0.2817, 0.3131



94.3743, 0.3034, 0.3246



89.4461, 0.3021, 0.3683



20.0727, 0.3024, 0.3241



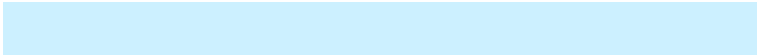
0.0000, 0.0000, 0.0000



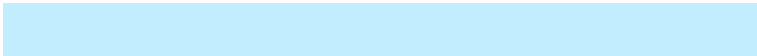
21.4041, 0.3127, 0.3290

Same Dimension

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



82.3802, 0.2817, 0.3131



79.2278, 0.2756, 0.3096



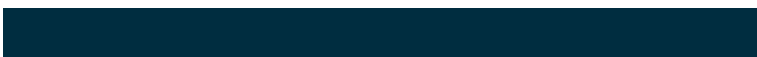
68.6933, 0.2800, 0.2859



19.5257, 0.2980, 0.3218



21.0954, 0.1972, 0.2299



2.2436, 0.2007, 0.2426

Inverse Universe

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



70.7454, 0.3256, 0.2932



65.8687, 0.3288, 0.2858



90.2941, 0.3450, 0.3687



18.2039, 0.3183, 0.3124



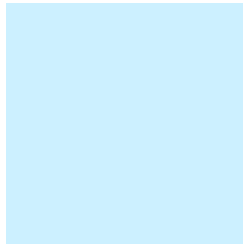
12.8576, 0.4127, 0.2047



1.2710, 0.3997, 0.1975

Previews

White Background



This preview shows how the Yxy color 82.3775, 0.2817, 0.3131 looks on a white background.

Color Contrast Check

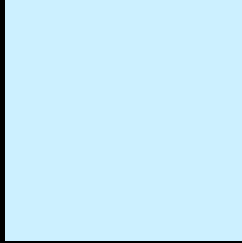
Large Text (above 18pt) WCAG AA × Fail

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 82.3775, 0.2817, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

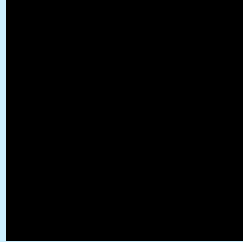
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

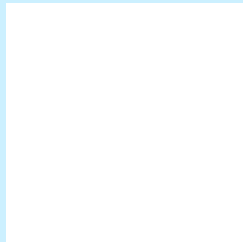
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3775, 0.2817, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 82.3775, 0.2817, 0.3131.

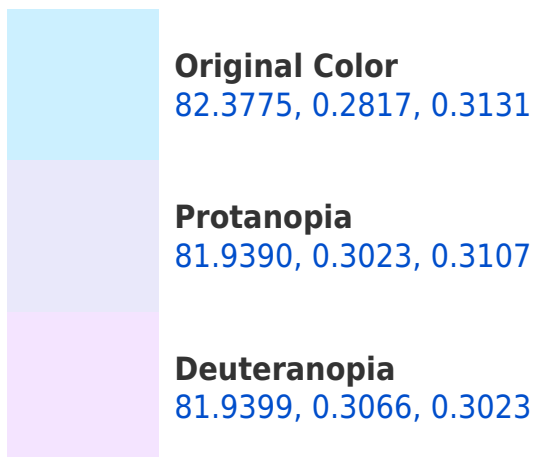


This preview shows how white text looks on a background with the Yxy color 82.3775, 0.2817, 0.3131.

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





Tritanopia

82.5083, 0.2846, 0.3122

Trichromacy



Original Color

82.3775, 0.2817, 0.3131

Protanomaly

81.9745, 0.2941, 0.3114

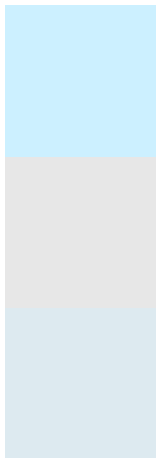
Deuteranomaly

81.5912, 0.2967, 0.3056

Tritanomaly

82.2184, 0.2834, 0.3121

Monochromacy



Original Color

82.3775, 0.2817, 0.3131

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.5091, 0.3005, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3775, 0.2817, 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(204, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 240, 255)  
}
```

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(204, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.3775, 0.2817, 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(204, 240, 255) }
```

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

```
.border{ border-color:rgb(204, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 240, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 240, 255); box-shadow:4px 4px 4px 4px rgb(204, 240, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3775, 0.2817, 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(204, 240, 255) }
```

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

```
.background{ background-color: rgb(204,  
240, 255) }
```

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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