

Converting Colors

$Yxy(80.8573, 0.2710, 0.3146)$

Have a look what the booklet for
Yxy(80.8573, 0.2710, 0.3146)
contains.

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Color

Yxy(81.0385, 0.2712, 0.3148)

Conversions

Conversions Part 1

Format	Color
Hex	B9F2FF
RGB	185, 242, 255
RGB Percent	73%, 95%, 100%
CMY	0.2744, 0.0510, 0.0000
CMYK	0.27, 0.05, 0.00, 0.00
HSL	191°, 100%, 86%
HSV	191°, 27%, 100%
XYZ	69.8146, 81.0385, 106.5754
YIQ	226.4390, -38.1450, -8.0410

Conversions

Conversions Part 2

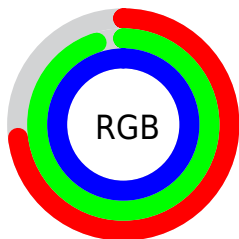
Format	Color
RYB	185, 216, 255
Decimal	12186367
CIELab	92.15, -15.02, -12.11
CIELCh	92, 19.299, 218.878
Yxy	81.0385, 0.2712, 0.3148
Android (android.graphics.Color)	4290376447 (0xFFB9F2FF)
YUV	226.4390, 14.0806, -36.3420
Hunter-Lab	90.0214, -19.1047, -7.1779

Details

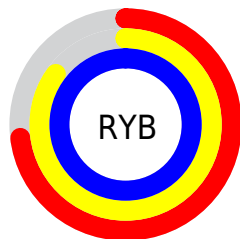
The Yxy color **81.0385, 0.2712, 0.3148** is a light color, and the websafe version is hex **CCFFFF**, and the color name is **diamond**. A complement of this color would be **65.1645, 0.3692, 0.3427**, and the grayscale version is **76.3092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **43.9409, 0.2624, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **75.3646, 0.2574, 0.3088**, and if you desaturate by 10%, it is **87.3597, 0.2859, 0.3204**.

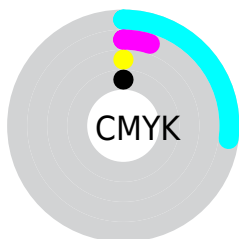
Distribution



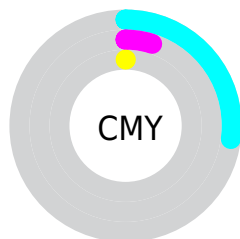
- Red (73%)
- Green (95%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0385, 0.2712, 0.3148 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 81.0385, 0.2712, 0.3148 by changing the saturation by 10% instead.

81.0385, 0.2712,
0.3148

81.0385, 0.2712,
0.3148

498.4258, 0.2898,
0.3215

60.5733, 0.2671,
0.3132

134.8248, 0.2775,
0.3172

43.8809, 0.2621,
0.3113

168.9148, 0.2800,
0.3181

30.5769, 0.2559,
0.3088

208.3150, 0.2822,
0.3189

20.2769, 0.2480,
0.3055

253.4101, 0.2841,
0.3195

12.5965, 0.2376,
0.3010

304.5843, 0.2857,
0.3201

7.1513, 0.2233,
0.2944

362.2221, 0.2872,

3.5569, 0.2025,

0.3207

0.2840

426.7078, 0.2886,
0.3211

■ 1.4289, 0.1699,
0.2657

■ 0.2379, 0.0000,
0.1761

■ 81.0385, 0.2712,
0.3148

■ 81.0385, 0.2712,
0.3148

■ 75.3646, 0.2574,
0.3088

■ 87.3597, 0.2859,
0.3204

■ 70.2988, 0.2448,
0.3025

■ 94.3487, 0.3012,
0.3255

■ 65.8101, 0.2338,
0.2960

100.0000, 0.3127,
0.3290

■ 61.8610, 0.2245,
0.2892

■ 58.4091, 0.2172,
0.2824

■ 55.4043, 0.2118,
0.2756

■ 52.7817, 0.2083,
0.2689

■ 52.1474, 0.2076,
0.2672

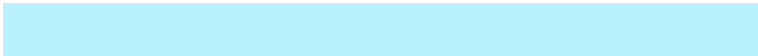
Harmonies

Analogous

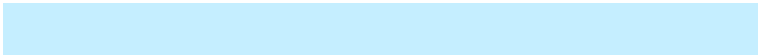
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0385, 0.2814, 0.3355



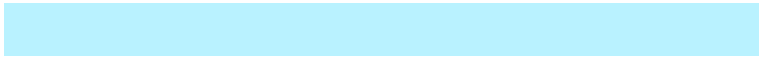
81.0385, 0.2712, 0.3148



81.0385, 0.2717, 0.2990

Triad

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



81.0385, 0.2712, 0.3148



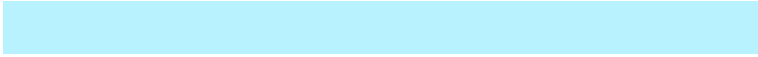
81.0385, 0.3246, 0.3049



81.0385, 0.3428, 0.3676

Complementary

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



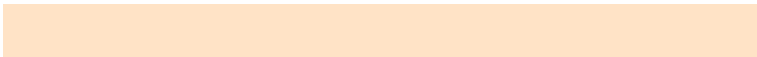
81.0385, 0.2712, 0.3148



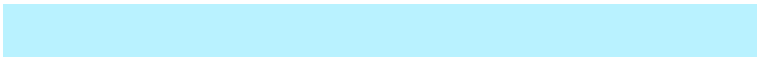
65.1645, 0.3692, 0.3427

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.



81.0385, 0.3553, 0.3576



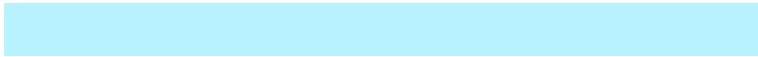
81.0385, 0.2712, 0.3148



81.0385, 0.3447, 0.3216

Square

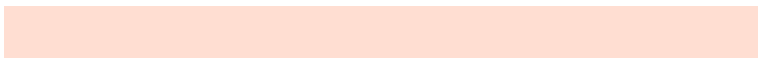
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0385, 0.2712, 0.3148



81.0385, 0.3019, 0.2941



81.0385, 0.3561, 0.3407



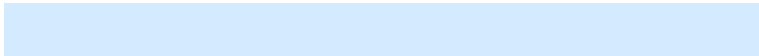
81.0385, 0.3224, 0.3670

Rectangle

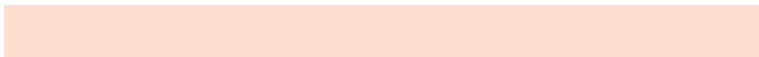
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



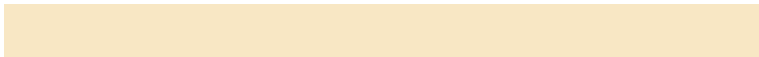
81.0385, 0.2712, 0.3148



81.0385, 0.2780, 0.2932



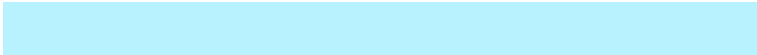
81.0385, 0.3561, 0.3407



81.0385, 0.3481, 0.3653

Sweetspot

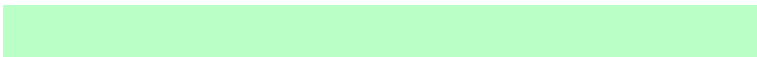
The Sweet Spot groups the original color and five complimentary colors.



81.0412, 0.2712, 0.3148



93.9396, 0.3003, 0.3252



85.9081, 0.3021, 0.3935



19.8737, 0.2980, 0.3245



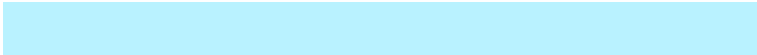
0.0000, 0.0000, 0.0000



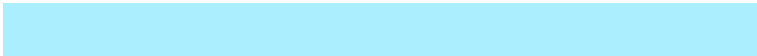
21.4041, 0.3127, 0.3290

Same Dimension

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



81.0412, 0.2712, 0.3148



77.8081, 0.2634, 0.3115



62.2527, 0.2672, 0.2753



19.8737, 0.2980, 0.3245



27.4544, 0.2079, 0.2683



2.8149, 0.2100, 0.2760

Inverse Universe

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



62.3797, 0.3257, 0.2723



56.5828, 0.3289, 0.2606



82.9521, 0.3598, 0.3774



18.2391, 0.3167, 0.3099



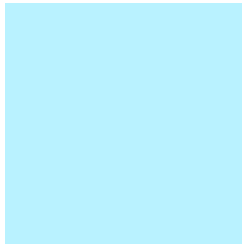
13.4995, 0.3745, 0.1837



1.3287, 0.3672, 0.1797

Previews

White Background



This preview shows how the Yxy color 81.0385, 0.2712, 0.3148 looks on a white background.

Color Contrast Check

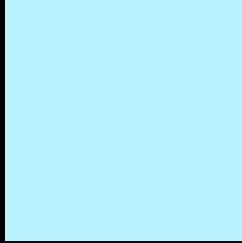
Large Text (above 18pt) WCAG AA × Fail

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 81.0385, 0.2712, 0.3148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

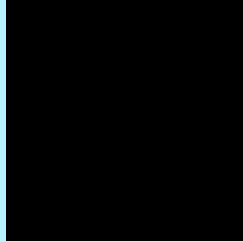
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.0385, 0.2712, 0.3148

Background



This preview shows how black text looks on a background with the Yxy color 81.0385, 0.2712, 0.3148.

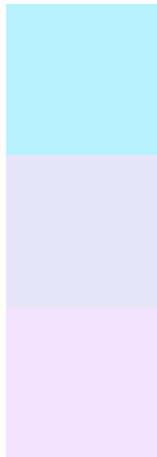


This preview shows how white text looks on a background with the Yxy color 81.0385, 0.2712, 0.3148.

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

81.0385, 0.2712, 0.3148

Protanopia

80.3599, 0.3022, 0.3106

Deuteranopia

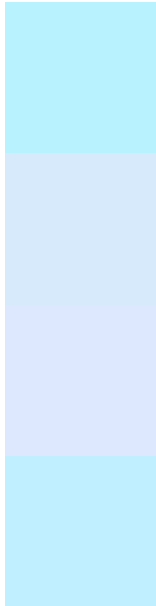
80.3135, 0.3046, 0.3001



Tritanopia

80.6888, 0.2770, 0.3118

Trichromacy



Original Color

81.0385, 0.2712, 0.3148

Protanomaly

80.1068, 0.2896, 0.3111

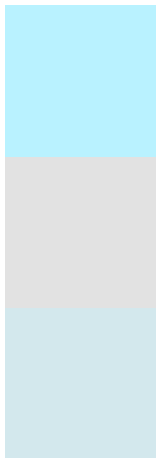
Deuteranomaly

80.3054, 0.2916, 0.3052

Tritanomaly

80.7466, 0.2748, 0.3128

Monochromacy



Original Color

81.0385, 0.2712, 0.3148

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.6765, 0.2958, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0385, 0.2712, 0.3148 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(185, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 242, 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(185, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.0385, 0.2712, 0.3148 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(185, 242, 255) }
```

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

```
.border{ border-color:rgb(185, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 242, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 242, 255); box-shadow:4px 4px 4px 4px rgb(185, 242, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0385, 0.2712, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 242, 255) }
```

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

```
.background{ background-color: rgb(185,  
242, 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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