

Converting Colors

$Yxy(81.6355, 0.2713, 0.3159)$

Have a look what the booklet for
Yxy(81.6355, 0.2713, 0.3159)
contains.

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Color

Yxy(81.6355, 0.2713, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	B9F3FF
RGB	185, 243, 255
RGB Percent	73%, 95%, 100%
CMY	0.2745, 0.0470, 0.0000
CMYK	0.27, 0.05, 0.00, 0.00
HSL	190°, 100%, 86%
HSV	190°, 27%, 100%
XYZ	70.1099, 81.6355, 106.6766
YIQ	227.0260, -38.4200, -8.5640

Conversions

Conversions Part 2

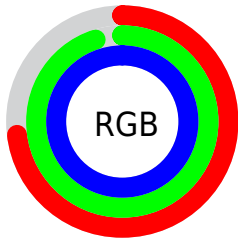
Format	Color
R_{YB}	185, 217, 255
Decimal	12186623
CIE _{Lab}	92.41, -15.53, -11.72
CIE _{LCh}	92, 19.457, 217.038
Yxy	81.6355, 0.2713, 0.3159
Android (android.graphics.Color)	4290376703 (0xFFB9F3FF)
YUV	227.0260, 13.7912, -36.8568
Hunter-Lab	90.3524, -19.6077, -6.7554

Details

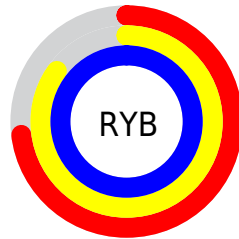
The Yxy color **81.6355, 0.2713, 0.3159** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.6973, 0.3695, 0.3417**, and the grayscale version is **76.7569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **44.3637, 0.2626, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **76.1608, 0.2576, 0.3104**, and if you desaturate by 10%, it is **87.7465, 0.2859, 0.3210**.

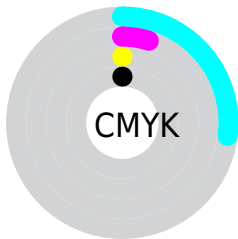
Distribution



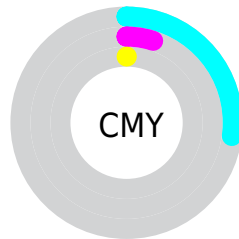
- Red (73%)
- Green (95%)
- Blue (100%)



- 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 81.6355, 0.2713, 0.3159 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 81.6355, 0.2713, 0.3159 by changing the saturation by 10% instead.

 81.6355, 0.2713,
0.3159

 81.6355, 0.2713,
0.3159


500.4276, 0.2898,
0.3221

 61.0651, 0.2672,
0.3144


 135.6627, 0.2776,
0.3181

 44.2777, 0.2623,
0.3126


169.8884, 0.2801,
0.3189

 30.8889, 0.2561,
0.3103


209.4346, 0.2822,
0.3197

 20.5143, 0.2483,
0.3072

254.6857, 0.2841,
0.3203

 12.7694, 0.2379,
0.3030

306.0262, 0.2858,
0.3208

 7.2700, 0.2237,
0.2969

363.8404, 0.2873,

 3.6315, 0.2031,

0.3213

0.2872

428.5128, 0.2886,
0.3218

■ 1.4696, 0.1708,
0.2699

■ 0.2672, 0.0000,
0.1929

■ 81.6355, 0.2713,
0.3159

■ 81.6355, 0.2713,
0.3159

■ 76.1608, 0.2576,
0.3104

■ 87.7465, 0.2859,
0.3210

■ 71.2836, 0.2452,
0.3046

■ 94.5145, 0.3012,
0.3258

■ 66.9729, 0.2343,
0.2986

■ 100.0000, 0.3127,
0.3290

■ 63.1914, 0.2253,
0.2924

■ 59.8966, 0.2181,
0.2861

■ 57.0388, 0.2130,
0.2799

■ 54.5531, 0.2097,
0.2738

■ 53.9540, 0.2090,
0.2722

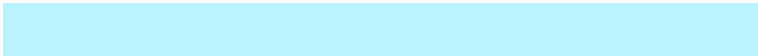
Harmonies

Analogous

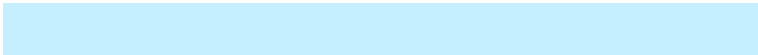
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6355, 0.2821, 0.3369



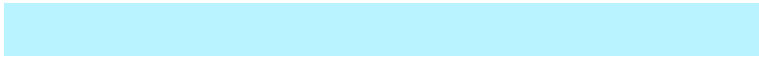
81.6355, 0.2713, 0.3159



81.6355, 0.2711, 0.2996

Triad

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



81.6355, 0.2713, 0.3159



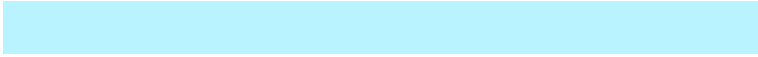
81.6355, 0.3233, 0.3039



81.6355, 0.3440, 0.3675

Complementary

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



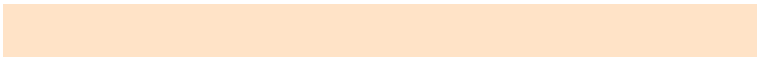
81.6355, 0.2713, 0.3159



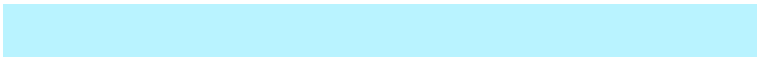
64.6973, 0.3695, 0.3417

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.



81.6355, 0.3560, 0.3568



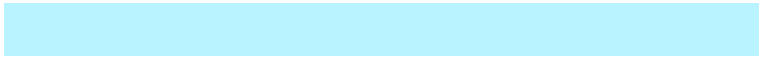
81.6355, 0.2713, 0.3159



81.6355, 0.3439, 0.3204

Square

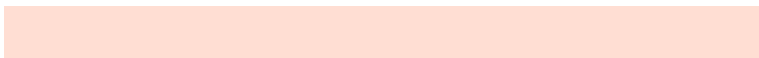
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



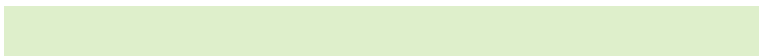
81.6355, 0.2713, 0.3159



81.6355, 0.3005, 0.2935



81.6355, 0.3560, 0.3396



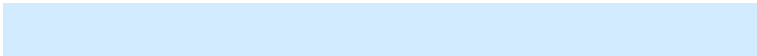
81.6355, 0.3238, 0.3676

Rectangle

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



81.6355, 0.2713, 0.3159



81.6355, 0.2770, 0.2933



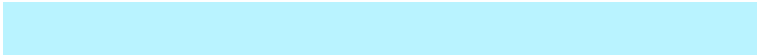
81.6355, 0.3560, 0.3396



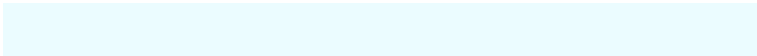
81.6355, 0.3491, 0.3650

Sweetspot

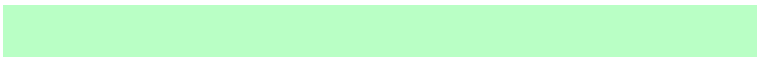
The Sweet Spot groups the original color and five complimentary colors.



81.6382, 0.2713, 0.3159



94.1235, 0.3003, 0.3255



85.8514, 0.3027, 0.3949



19.9203, 0.2980, 0.3248



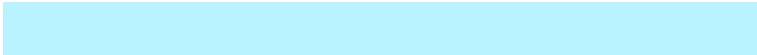
0.0000, 0.0000, 0.0000



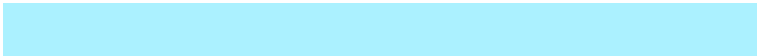
21.4041, 0.3127, 0.3290

Same Dimension

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



81.6382, 0.2713, 0.3159



78.5213, 0.2636, 0.3129



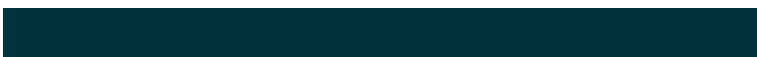
62.8119, 0.2673, 0.2767



19.9203, 0.2980, 0.3248



28.3868, 0.2092, 0.2732



2.8974, 0.2112, 0.2803

Inverse Universe

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



62.4321, 0.3249, 0.2713



56.6548, 0.3279, 0.2595



82.2901, 0.3602, 0.3763



18.2438, 0.3164, 0.3095



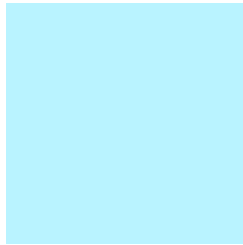
13.5936, 0.3698, 0.1811



1.3370, 0.3632, 0.1775

Previews

White Background



This preview shows how the Yxy color 81.6355, 0.2713, 0.3159 looks on a white background.

Color Contrast Check

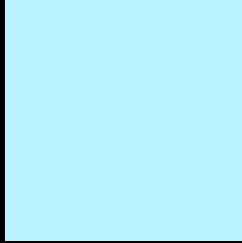
Large Text (above 18pt) WCAG AA × Fail

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 81.6355, 0.2713, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

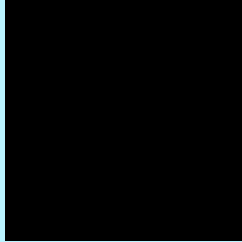
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6355, 0.2713, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 81.6355, 0.2713, 0.3159.



This preview shows how white text looks on a background with the Yxy color 81.6355, 0.2713, 0.3159.

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

81.6355, 0.2713, 0.3159

Protanopia

81.0849, 0.3029, 0.3116

Deuteranopia

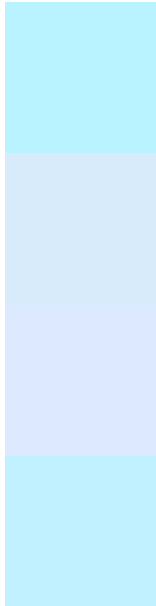
81.0354, 0.3052, 0.3011



Tritanopia

81.5459, 0.2782, 0.3130

Trichromacy



Original Color

81.6355, 0.2713, 0.3159

Protanomaly

80.8288, 0.2903, 0.3122

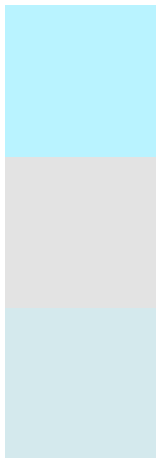
Deuteranomaly

80.8700, 0.2917, 0.3063

Tritanomaly

81.4681, 0.2755, 0.3139

Monochromacy



Original Color

81.6355, 0.2713, 0.3159

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.3893, 0.2965, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6355, 0.2713, 0.3159 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, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 243, 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, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.6355, 0.2713, 0.3159 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, 243, 255) }
```

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

```
.border{ border-color:rgb(185, 243, 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, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6355, 0.2713, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 243, 255) }
```

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

```
.background{ background-color: rgb(185,  
243, 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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