

Converting Colors

$Yxy(80.8467, 0.2674, 0.3073)$

Have a look what the booklet for
Yxy(80.8467, 0.2674, 0.3073)
contains.

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Color

Yxy(80.3209, 0.2705, 0.3137)

Conversions

Conversions Part 1

Format	Color
Hex	B8F1FF
RGB	184, 241, 255
RGB Percent	72%, 95%, 100%
CMY	0.2787, 0.0548, 0.0000
CMYK	0.28, 0.05, 0.00, 0.00
HSL	192°, 100%, 86%
HSV	192°, 28%, 100%
XYZ	69.2598, 80.3209, 106.4630
YIQ	225.5530, -38.4660, -7.7300

Conversions

Conversions Part 2

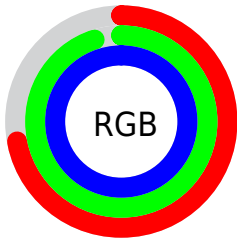
Format	Color
RYB	184, 216, 255
Decimal	12120575
CIELab	91.83, -14.84, -12.60
CIElCh	92, 19.467, 220.319
Yxy	80.3209, 0.2705, 0.3137
Android (android.graphics.Color)	4290310655 (0xFFB8F1FF)
YUV	225.5530, 14.5174, -36.4420
Hunter-Lab	89.6219, -18.8936, -7.6959

Details

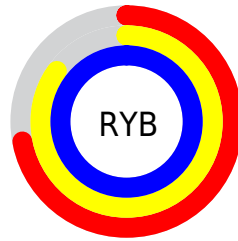
The Yxy color **80.3209, 0.2705, 0.3137** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0653, 0.3701, 0.3437**, and the grayscale version is **75.6202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **43.4423, 0.2615, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **74.5256, 0.2567, 0.3074**, and if you desaturate by 10%, it is **86.7714, 0.2852, 0.3196**.

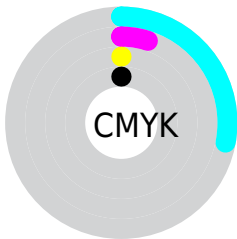
Distribution



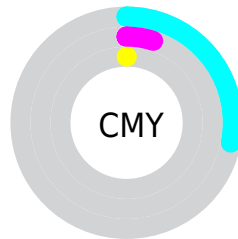
- Red (72%)
- Green (95%)
- Blue (100%)



- Red (72%)
- Yellow (85%)
- Blue (100%)



- Cyan (28%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3209, 0.2705, 0.3137 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 80.3209, 0.2705, 0.3137 by changing the saturation by 10% instead.

 80.3209, 0.2705,
0.3137

 80.3209, 0.2705,
0.3137


496.0136, 0.2894,
0.3210

 59.9825, 0.2663,
0.3120

 133.8168, 0.2769,
0.3162

 43.4045, 0.2613,
0.3099


167.7431, 0.2795,
0.3172

 30.2026, 0.2549,
0.3072

206.9674, 0.2817,
0.3181

 19.9924, 0.2469,
0.3037

251.8741, 0.2836,
0.3188

 12.3895, 0.2363,
0.2988

302.8478, 0.2853,
0.3194

 7.0096, 0.2216,
0.2918

360.2726, 0.2868,

 3.4681, 0.2003,

0.3200

0.2807

424.5331, 0.2882,
0.3205

1.3807, 0.1669,
0.2611

0.2024, 0.0000,
0.1545

80.3209, 0.2705,
0.3137

80.3209, 0.2705,
0.3137

74.5256, 0.2567,
0.3074

86.7714, 0.2852,
0.3196

69.3454, 0.2440,
0.3006

93.8972, 0.3005,
0.3251

64.7493, 0.2329,
0.2936

100.0000, 0.3127,
0.3290

60.6995, 0.2235,
0.2865

■ 57.1532, 0.2161,
0.2792

■ 54.0599, 0.2107,
0.2720

■ 51.3522, 0.2071,
0.2648

■ 50.8048, 0.2065,
0.2633

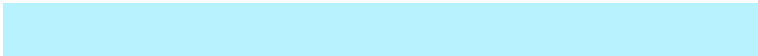
Harmonies

Analogous

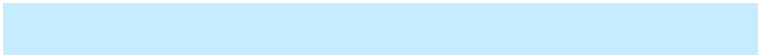
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3209, 0.2803, 0.3346



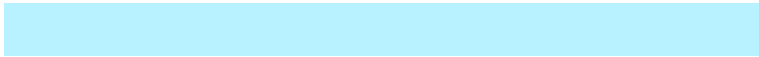
80.3209, 0.2705, 0.3137



80.3209, 0.2715, 0.2981

Triad

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



80.3209, 0.2705, 0.3137



80.3209, 0.3259, 0.3053



80.3209, 0.3423, 0.3683

Complementary

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



80.3209, 0.2705, 0.3137



65.0653, 0.3701, 0.3437

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.



80.3209, 0.3555, 0.3586



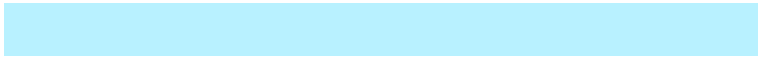
80.3209, 0.2705, 0.3137



80.3209, 0.3459, 0.3224

Square

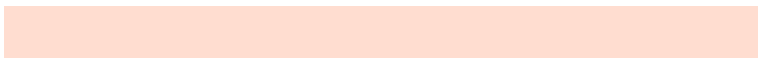
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3209, 0.2705, 0.3137



80.3209, 0.3028, 0.2940



80.3209, 0.3569, 0.3417



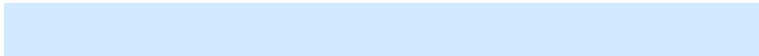
80.3209, 0.3214, 0.3672

Rectangle

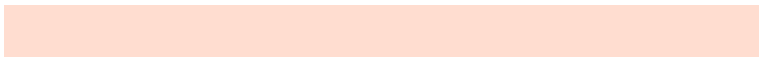
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



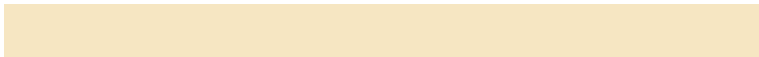
80.3209, 0.2705, 0.3137



80.3209, 0.2782, 0.2925



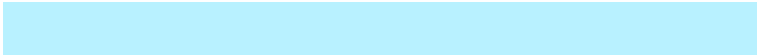
80.3209, 0.3569, 0.3417



80.3209, 0.3478, 0.3661

Sweetspot

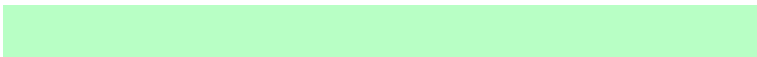
The Sweet Spot groups the original color and five complimentary colors.



80.3239, 0.2705, 0.3137



93.8004, 0.3003, 0.3250



85.7311, 0.3019, 0.3947



19.8385, 0.2980, 0.3242



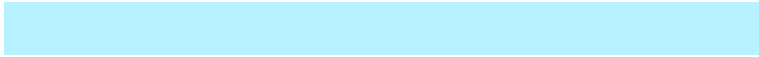
0.0000, 0.0000, 0.0000



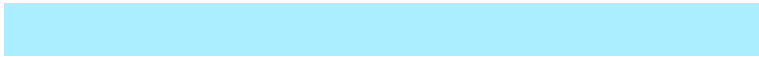
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3239, 0.2705, 0.3137



77.2704, 0.2633, 0.3105



61.7545, 0.2664, 0.2743



19.8385, 0.2980, 0.3242



26.7612, 0.2068, 0.2645



2.7533, 0.2091, 0.2727

Inverse Universe

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



61.8641, 0.3265, 0.2721



56.5285, 0.3297, 0.2615



82.7099, 0.3607, 0.3782



18.2355, 0.3168, 0.3101



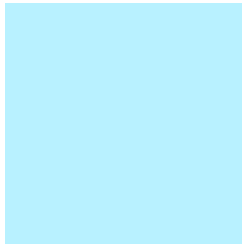
13.4295, 0.3781, 0.1856



1.3225, 0.3703, 0.1814

Previews

White Background



This preview shows how the Yxy color 80.3209, 0.2705, 0.3137 looks on a white background.

Color Contrast Check

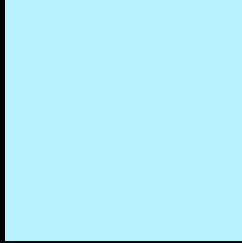
Large Text (above 18pt) WCAG AA × Fail

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 80.3209, 0.2705, 0.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

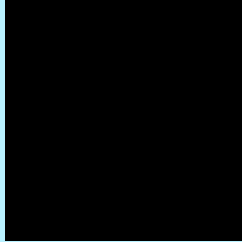
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.3209, 0.2705, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 80.3209, 0.2705, 0.3137.

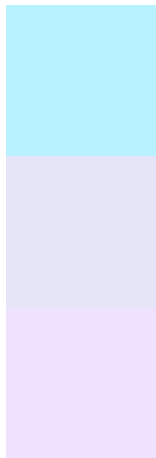


This preview shows how white text looks on a background with the Yxy color 80.3209, 0.2705, 0.3137.

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

80.3209, 0.2705, 0.3137

Protanopia

79.6389, 0.3015, 0.3095

Deuteranopia

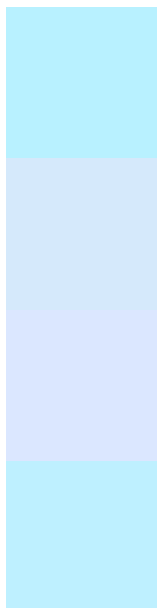
79.9634, 0.3033, 0.3000



Tritanopia

80.4223, 0.2759, 0.3118

Trichromacy



Original Color

80.3209, 0.2705, 0.3137

Protanomaly

79.3890, 0.2890, 0.3100

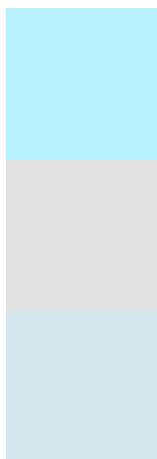
Deuteranomaly

79.4319, 0.2903, 0.3041

Tritanomaly

80.4873, 0.2737, 0.3127

Monochromacy



Original Color

80.3209, 0.2705, 0.3137

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.1151, 0.2958, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3209, 0.2705, 0.3137 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(184, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 241, 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(184, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.3209, 0.2705, 0.3137 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(184, 241, 255) }
```

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

```
.border{ border-color:rgb(184, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3209, 0.2705, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 241, 255) }
```

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

```
.background{ background-color: rgb(184,  
241, 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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