

Converting Colors

$Yxy(82.2823, 0.2577, 0.2939)$

Have a look what the booklet for
Yxy(82.2823, 0.2577, 0.2939)
contains.

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Color

Yxy(80.7862, 0.2676, 0.3158)

Conversions

Conversions Part 1

Format	Color
Hex	B2F3FF
RGB	178, 243, 255
RGB Percent	70%, 95%, 100%
CMY	0.3020, 0.0470, 0.0001
CMYK	0.30, 0.05, 0.00, 0.00
HSL	189°, 100%, 85%
HSV	189°, 30%, 100%
XYZ	68.4559, 80.7862, 106.5723
YIQ	224.9330, -42.5920, -10.0480

Conversions

Conversions Part 2

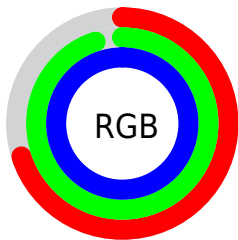
Format	Color
RYB	178, 213, 255
Decimal	11727871
CIELab	92.04, -17.49, -12.31
CIELCh	92, 21.382, 215.135
Yxy	80.7862, 0.2676, 0.3158
Android (android.graphics.Color)	4289917951 (0xFFB2F3FF)
YUV	224.9330, 14.8230, -41.1602
Hunter-Lab	89.8811, -21.3415, -7.3835

Details

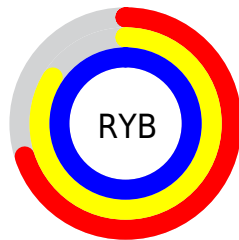
The Yxy color **80.7862, 0.2676, 0.3158** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.2802, 0.3774, 0.3417**, and the grayscale version is **75.1590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **43.8288, 0.2582, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **75.7014, 0.2544, 0.3108**, and if you desaturate by 10%, it is **86.4892, 0.2819, 0.3205**.

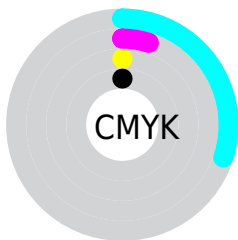
Distribution



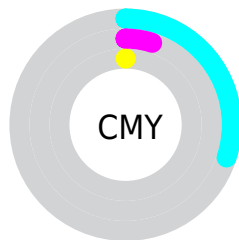
- Red (70%)
- Green (95%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (30%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7862, 0.2676, 0.3158 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 80.7862, 0.2676, 0.3158 by changing the saturation by 10% instead.


 80.7862, 0.2676,
0.3158

 80.7862, 0.2676,
0.3158

497.5784, 0.2878,
0.3222

 60.3655, 0.2632,
0.3143


 134.4705, 0.2745,
0.3180

 43.7133, 0.2578,
0.3124


168.5030, 0.2772,
0.3189

 30.4452, 0.2511,
0.3100


207.8415, 0.2795,
0.3196

 20.1768, 0.2425,
0.3068

252.8704, 0.2816,
0.3203

 12.5236, 0.2313,
0.3024

303.9742, 0.2834,
0.3208

 7.1013, 0.2159,
0.2959

361.5372, 0.2850,

 3.5255, 0.1935,

0.3213

0.2856

425.9438, 0.2865,
0.3218

■ 1.4119, 0.1588,
0.2670

■ 0.2254, 0.0000,
0.1685

■ 80.7862, 0.2676,
0.3158

■ 80.7862, 0.2676,
0.3158

■ 75.7014, 0.2544,
0.3108

■ 86.4892, 0.2819,
0.3205

■ 71.1936, 0.2425,
0.3055

■ 92.8298, 0.2969,
0.3249

■ 67.2317, 0.2324,
0.3000

■ 99.8382, 0.3124,
0.3289

■ 63.7772, 0.2240,
0.2944

■ 99.9985, 0.3127,
0.3290

■ 60.7862, 0.2177,
0.2887

■ 58.2061, 0.2133,
0.2832

■ 55.9916, 0.2105,
0.2778

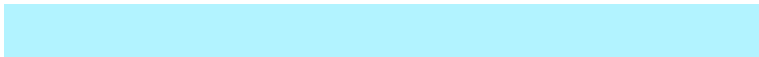
Harmonies

Analogous

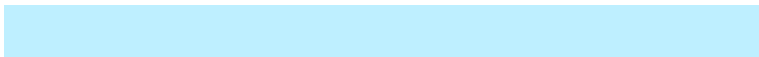
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7862, 0.2801, 0.3391



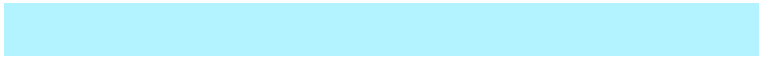
80.7862, 0.2676, 0.3158



80.7862, 0.2666, 0.2974

Triad

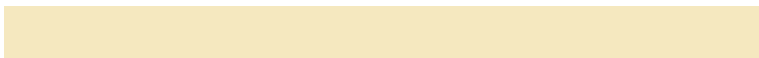
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7862, 0.2676, 0.3158



80.7862, 0.3228, 0.3004



80.7862, 0.3483, 0.3710

Complementary

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



80.7862, 0.2676, 0.3158



61.2802, 0.3774, 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.



80.7862, 0.3609, 0.3585



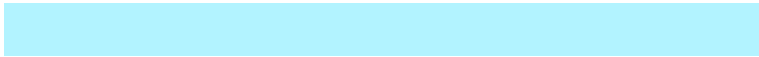
80.7862, 0.2676, 0.3158



80.7862, 0.3459, 0.3182

Square

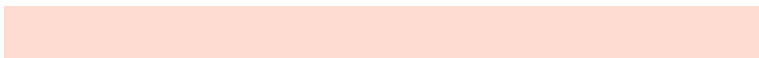
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7862, 0.2676, 0.3158



80.7862, 0.2977, 0.2896



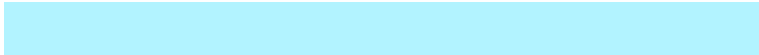
80.7862, 0.3600, 0.3391



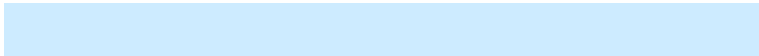
80.7862, 0.3264, 0.3721

Rectangle

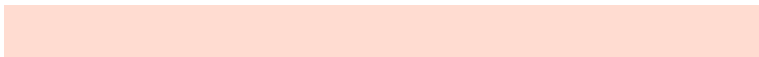
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7862, 0.2676, 0.3158



80.7862, 0.2726, 0.2902



80.7862, 0.3600, 0.3391



80.7862, 0.3538, 0.3679

Sweetspot

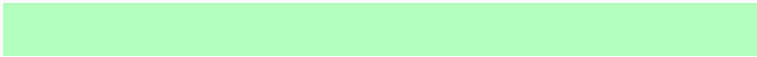
The Sweet Spot groups the original color and five complimentary colors.



80.7894, 0.2676, 0.3158



93.6488, 0.2988, 0.3254



84.6673, 0.3024, 0.4042



19.8360, 0.2965, 0.3248



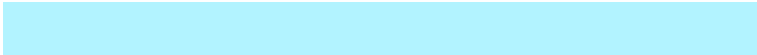
0.0000, 0.0000, 0.0000



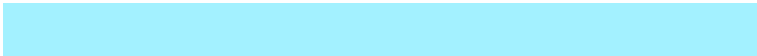
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7894, 0.2676, 0.3158



77.7777, 0.2598, 0.3129



60.3159, 0.2626, 0.2721



19.9720, 0.2980, 0.3252



29.4437, 0.2108, 0.2787



2.9907, 0.2125, 0.2850

Inverse Universe

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



59.5657, 0.3254, 0.2643



53.8601, 0.3284, 0.2520



79.9747, 0.3659, 0.3799



18.2490, 0.3162, 0.3092



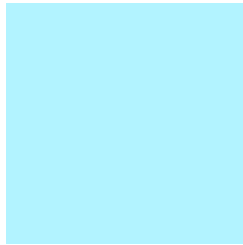
13.7003, 0.3647, 0.1783



1.3465, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 80.7862, 0.2676, 0.3158 looks on a white background.

Color Contrast Check

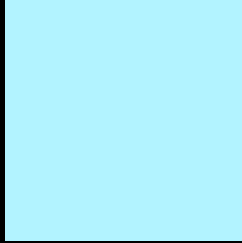
Large Text (above 18pt) WCAG AA × Fail

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 80.7862, 0.2676, 0.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

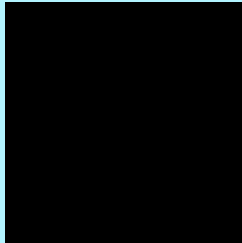
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7862, 0.2676, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 80.7862, 0.2676, 0.3158.

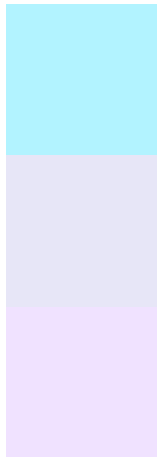


This preview shows how white text looks on a background with the Yxy color 80.7862, 0.2676, 0.3158.

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

80.7862, 0.2676, 0.3158

Protanopia

80.2980, 0.3028, 0.3116

Deuteranopia

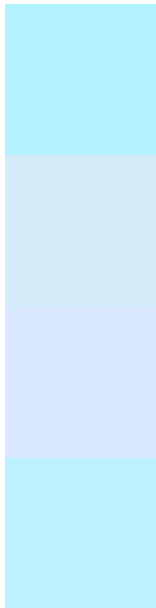
80.1380, 0.3039, 0.3000



Tritanopia

80.8776, 0.2754, 0.3128

Trichromacy



Original Color

80.7862, 0.2676, 0.3158

Protanomaly

80.3158, 0.2890, 0.3132

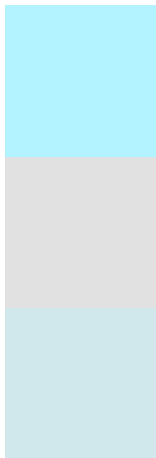
Deuteranomaly

79.6849, 0.2891, 0.3051

Tritanomaly

80.8220, 0.2727, 0.3138

Monochromacy



Original Color

80.7862, 0.2676, 0.3158

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

77.1793, 0.2945, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7862, 0.2676, 0.3158 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(178, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.7862, 0.2676, 0.3158 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(178, 243, 255) }
```

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

```
.border{ border-color:rgb(178, 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(178, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7862, 0.2676, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 243, 255) }
```

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

```
.background{ background-color: rgb(178,  
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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