

Converting Colors

$Yxy(79.9821, 0.2645, 0.3195)$

Have a look what the booklet for
Yxy(79.9821, 0.2645, 0.3195)
contains.

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Color

Yxy(80.1647, 0.2646, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	A9F4FC
RGB	169, 244, 252
RGB Percent	66%, 96%, 99%
CMY	0.3371, 0.0431, 0.0118
CMYK	0.33, 0.03, 0.00, 0.01
HSL	186°, 93%, 83%
HSV	186°, 33%, 99%
XYZ	66.2862, 80.1647, 104.0638
YIQ	222.4870, -47.2680, -13.4120

Conversions

Conversions Part 2

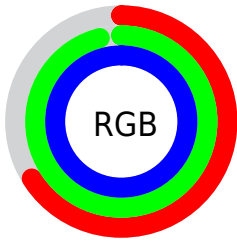
Format	Color
R _Y B	169, 208, 252
Decimal	11138300
CIE Lab	91.76, -21.07, -11.21
CIE LCh	92, 23.872, 208.017
Yxy	80.1647, 0.2646, 0.3200
Android (android.graphics.Color)	4289328380 (0xFFA9F4FC)
YUV	222.4870, 14.5499, -46.9081
Hunter-Lab	89.5347, -24.5350, -6.2368

Details

The Yxy color **80.1647, 0.2646, 0.3200** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.0103, 0.3870, 0.3377**, and the grayscale version is **73.3350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **43.4173, 0.2543, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **76.1931, 0.2523, 0.3169**, and if you desaturate by 10%, it is **84.6989, 0.2782, 0.3230**.

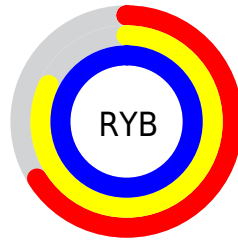
Distribution



Red (66%)

Green (96%)

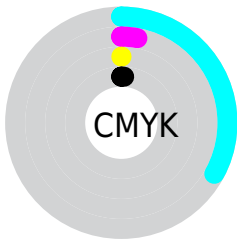
Blue (99%)



Red (66%)

Yellow (82%)

Blue (99%)

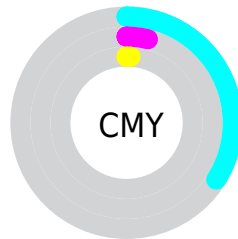


Cyan (33%)

Magenta (3%)

Yellow (0%)

Black (1%)



Cyan (34%)


Magenta (4%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1647, 0.2646, 0.3200 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 80.1647, 0.2646, 0.3200 by changing the saturation by 10% instead.

 80.1647, 0.2646,
0.3200

 80.1647, 0.2646,
0.3200


495.4877, 0.2861,
0.3245

 59.8539, 0.2599,
0.3189


 133.5973, 0.2719,
0.3216

 43.3009, 0.2541,
0.3175

167.4878, 0.2748,
0.3222

 30.1213, 0.2469,
0.3157


206.6737, 0.2773,
0.3228

 19.9306, 0.2378,
0.3132

251.5394, 0.2795,
0.3232

 12.3446, 0.2258,
0.3097

302.4693, 0.2815,
0.3236

 6.9788, 0.2093,
0.3045

359.8477, 0.2832,

 3.4489, 0.1854,

0.3239

0.2958

424.0590, 0.2847,
0.3242

■ 1.3703, 0.1475,
0.2797

■ 0.1947, 0.0000,
0.1635

■ 80.1647, 0.2646,
0.3200

■ 80.1647, 0.2646,
0.3200

■ 76.1931, 0.2523,
0.3169

■ 84.6989, 0.2782,
0.3230

■ 72.7437, 0.2416,
0.3136

■ 89.8148, 0.2928,
0.3257

■ 69.7853, 0.2327,
0.3103

■ 95.5420, 0.3082,
0.3283

■ 67.2795, 0.2257,
0.3069

■ 98.9843, 0.3145,
0.3306

■ 65.1821, 0.2207,
0.3035

99.8075, 0.3145,
0.3319

■ 63.4393, 0.2175,
0.3002

■ 62.3641, 0.2161,
0.2979

Harmonies

Analogous

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



80.1647, 0.2812, 0.3465



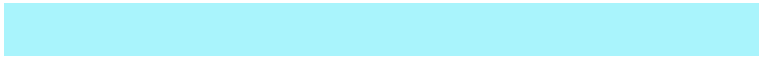
80.1647, 0.2646, 0.3200



80.1647, 0.2604, 0.2976

Triad

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



80.1647, 0.2646, 0.3200



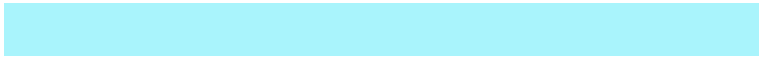
80.1647, 0.3171, 0.2935



80.1647, 0.3570, 0.3736

Complementary

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



80.1647, 0.2646, 0.3200



55.0103, 0.3870, 0.3377

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.



80.1647, 0.3679, 0.3571



80.1647, 0.2646, 0.3200



80.1647, 0.3443, 0.3117

Square

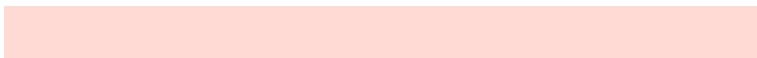
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1647, 0.2646, 0.3200



80.1647, 0.2897, 0.2838



80.1647, 0.3633, 0.3345



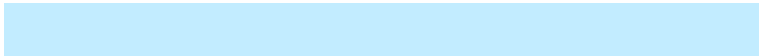
80.1647, 0.3343, 0.3785

Rectangle

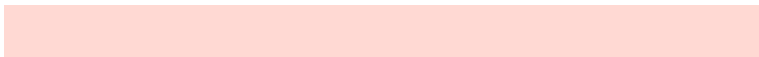
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1647, 0.2646, 0.3200



80.1647, 0.2650, 0.2879



80.1647, 0.3633, 0.3345



80.1647, 0.3622, 0.3691

Sweetspot

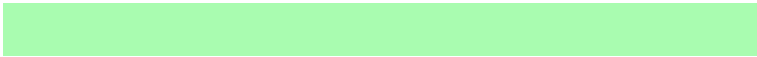
The Sweet Spot groups the original color and five complimentary colors.



80.1679, 0.2646, 0.3200



93.9239, 0.2972, 0.3265



81.1841, 0.3045, 0.4189



19.9319, 0.2951, 0.3261



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.



80.1679, 0.2646, 0.3200



79.4058, 0.2557, 0.3178



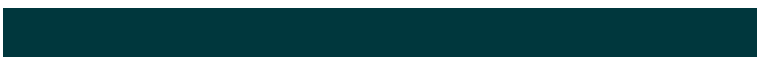
58.4601, 0.2586, 0.2727



19.3060, 0.2980, 0.3266



32.6105, 0.2162, 0.2985



3.1008, 0.2173, 0.3024

Inverse Universe

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



55.6124, 0.3228, 0.2541



50.6460, 0.3254, 0.2384



73.4028, 0.3732, 0.3793



17.4941, 0.3153, 0.3078



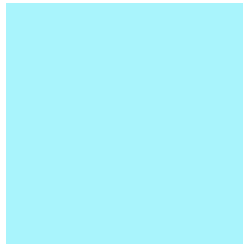
13.7029, 0.3468, 0.1684



1.2773, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 80.1647, 0.2646, 0.3200 looks on a white background.

Color Contrast Check

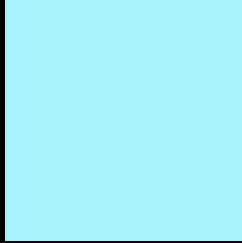
Large Text (above 18pt) WCAG AA × Fail

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 80.1647, 0.2646, 0.3200 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 80.1647, 0.2646, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 80.1647, 0.2646, 0.3200.

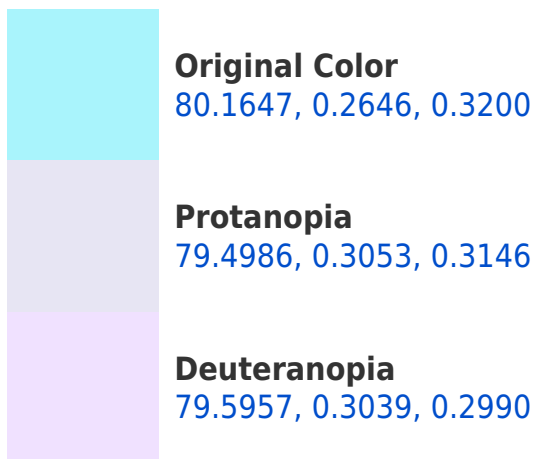


This preview shows how white text looks on a background with the Yxy color 80.1647, 0.2646, 0.3200.

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

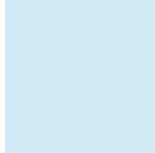
80.1050, 0.2721, 0.3127

Trichromacy



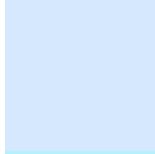
Original Color

80.1647, 0.2646, 0.3200



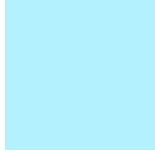
Protanomaly

78.9094, 0.2887, 0.3161



Deuteranomaly

79.1651, 0.2878, 0.3059



Tritanomaly

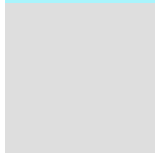
79.7696, 0.2689, 0.3147

Monochromacy



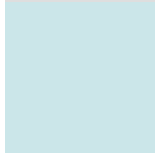
Original Color

80.1647, 0.2646, 0.3200



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.1733, 0.2930, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1647, 0.2646, 0.3200 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(169, 244, 252)` looks like.

```
.text, #text, p{  
    color:rgb(169, 244, 252)  
}
```

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(169, 244, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 244, 252) }
```

Border

The CSS property to change the border of an element to Yxy 80.1647, 0.2646, 0.3200 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(169, 244, 252) }
```

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

```
.border{ border-color:rgb(169, 244, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 244, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 244, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 244, 252);  
box-shadow:4px 4px 4px 4px rgb(169, 244,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1647, 0.2646, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 244, 252) }
```

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

```
.background{ background-color: rgb(169,  
244, 252) }
```

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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