

Converting Colors

$Yxy(81.7649, 0.2693, 0.3205)$

Have a look what the booklet for
Yxy(81.7649, 0.2693, 0.3205)
contains.

Yxy(81.7981, 0.2693, 0.3212)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.7981, 0.2693, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	B2F5FC
RGB	178, 245, 252
RGB Percent	70%, 96%, 99%
CMY	0.3021, 0.0392, 0.0117
CMYK	0.29, 0.03, 0.00, 0.01
HSL	186°, 93%, 84%
HSV	186°, 29%, 99%
XYZ	68.5810, 81.7981, 104.2849
YIQ	225.7650, -42.1790, -12.0270

Conversions

Conversions Part 2

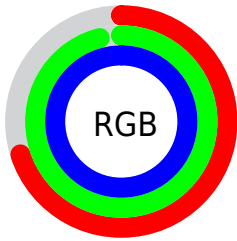
Format	Color
RYB	178, 213, 252
Decimal	11728380
CIELab	92.49, -19.15, -10.10
CIELCh	92, 21.649, 207.809
Yxy	81.7981, 0.2693, 0.3212
Android (android.graphics.Color)	4289918460 (0xFFB2F5FC)
YUV	225.7650, 12.9339, -41.8899
Hunter-Lab	90.4423, -22.9202, -5.0550

Details

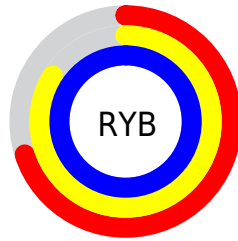
The Yxy color **81.7981, 0.2693, 0.3212** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.6060, 0.3764, 0.3366**, and the grayscale version is **75.8017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **44.5463, 0.2604, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **77.6546, 0.2565, 0.3182**, and if you desaturate by 10%, it is **86.5144, 0.2833, 0.3241**.

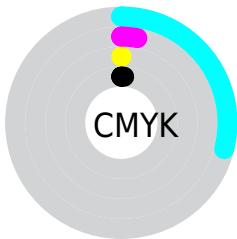
Distribution



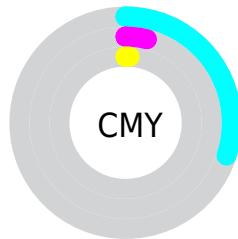
- Red (70%)
- Green (96%)
- Blue (99%)



- Red (70%)
- Yellow (84%)
- Blue (99%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)





- Cyan (30%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7981, 0.2693, 0.3212 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 81.7981, 0.2693, 0.3212 by changing the saturation by 10% instead.


 81.7981, 0.2693,
0.3212

 81.7981, 0.2693,
0.3212

500.9721, 0.2887,
0.3251

 61.1991, 0.2650,
0.3203


 135.8908, 0.2759,
0.3226

 44.3859, 0.2598,
0.3191


170.1534, 0.2785,
0.3231

 30.9740, 0.2534,
0.3175


209.7392, 0.2808,
0.3236

 20.5790, 0.2452,
0.3155

255.0328, 0.2827,
0.3240

 12.8167, 0.2344,
0.3125

306.4185, 0.2845,
0.3243

 7.3024, 0.2195,
0.3081


364.2807, 0.2860,


 3.6519, 0.1979,


0.3246


0.3009


429.0037, 0.2874,
0.3248


 1.4808, 0.1642,
0.2874


 0.2752, 0.0000,
0.2147


 81.7981, 0.2693,
0.3212


 81.7981, 0.2693,
0.3212


 77.6546, 0.2565,
0.3182


 86.5144, 0.2833,
0.3241


 74.0439, 0.2452,
0.3150

 91.8214, 0.2982,
0.3267

 70.9364, 0.2357,
0.3118

 97.7483, 0.3137,
0.3291

 68.2952, 0.2280,
0.3084

 99.5260, 0.3145,
0.3314

■ 66.0784, 0.2223, 99.8096, 0.3144,
0.3051 0.3318

■ 64.2362, 0.2185,
0.3019

■ 62.6919, 0.2164,
0.2986

■ 62.6002, 0.2162,
0.2984

Harmonies

Analogous

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



81.7981, 0.2844, 0.3449



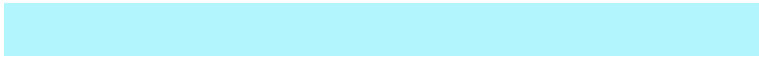
81.7981, 0.2693, 0.3212



81.7981, 0.2654, 0.3009

Triad

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



81.7981, 0.2693, 0.3212



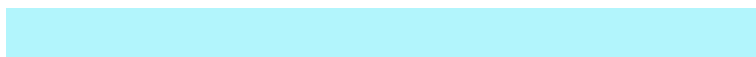
81.7981, 0.3165, 0.2968



81.7981, 0.3528, 0.3692

Complementary

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



81.7981, 0.2693, 0.3212



58.6060, 0.3764, 0.3366

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.



81.7981, 0.3624, 0.3544



81.7981, 0.2693, 0.3212



81.7981, 0.3410, 0.3133

Square

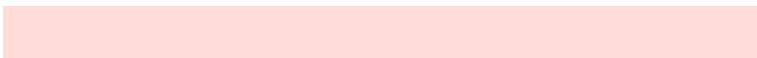
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7981, 0.2693, 0.3212



81.7981, 0.2919, 0.2880



81.7981, 0.3581, 0.3340



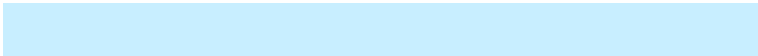
81.7981, 0.3325, 0.3735

Rectangle

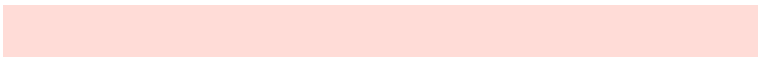
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7981, 0.2693, 0.3212



81.7981, 0.2695, 0.2920



81.7981, 0.3581, 0.3340



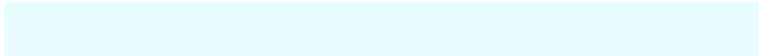
81.7981, 0.3574, 0.3652

Sweetspot

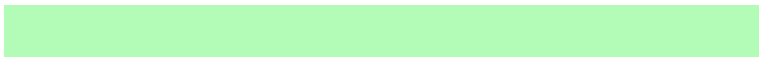
The Sweet Spot groups the original color and five complimentary colors.



81.8014, 0.2693, 0.3212



94.5252, 0.2988, 0.3268



82.5626, 0.3054, 0.4077



20.0533, 0.2966, 0.3264



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.



81.8014, 0.2693, 0.3212



81.5451, 0.2619, 0.3195



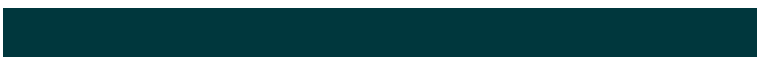
62.0085, 0.2647, 0.2797



19.3109, 0.2980, 0.3267



32.7223, 0.2164, 0.2990



3.1100, 0.2175, 0.3029

Inverse Universe

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



59.1238, 0.3215, 0.2620



55.1291, 0.3235, 0.2493



75.7147, 0.3656, 0.3737



17.4946, 0.3153, 0.3078



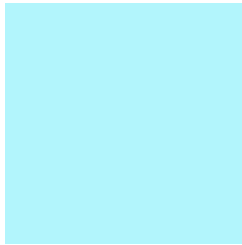
13.7142, 0.3463, 0.1681



1.2782, 0.3429, 0.1663

Previews

White Background



This preview shows how the Yxy color 81.7981, 0.2693, 0.3212 looks on a white background.

Color Contrast Check

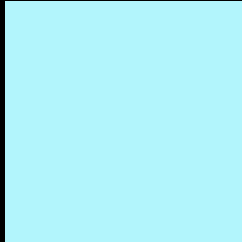
Large Text (above 18pt) WCAG AA × Fail

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 81.7981, 0.2693, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

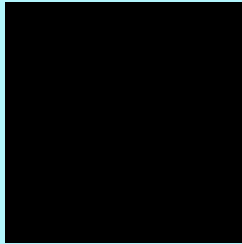
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.7981, 0.2693, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 81.7981, 0.2693, 0.3212.

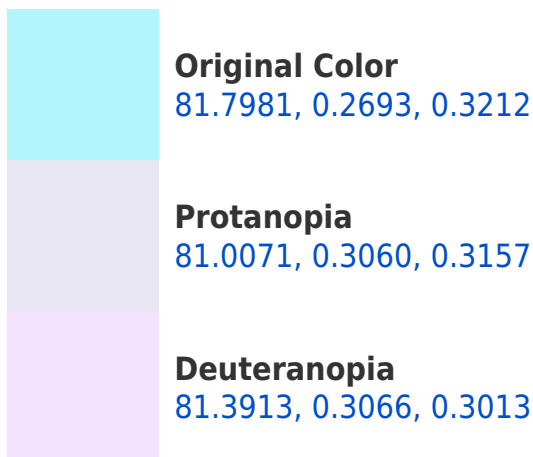


This preview shows how white text looks on a background with the Yxy color 81.7981, 0.2693, 0.3212.

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

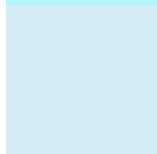
81.2759, 0.2771, 0.3129

Trichromacy



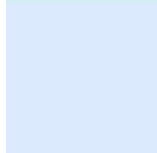
Original Color

81.7981, 0.2693, 0.3212



Protanomaly

80.8524, 0.2913, 0.3174



Deuteranomaly

81.2170, 0.2916, 0.3083



Tritanomaly

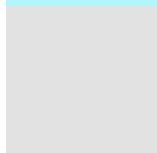
81.4788, 0.2739, 0.3160

Monochromacy



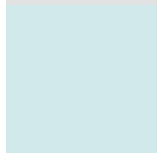
Original Color

81.7981, 0.2693, 0.3212



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.8313, 0.2957, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7981, 0.2693, 0.3212 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, 245, 252)` looks like.

```
.text, #text, p{  
    color:rgb(178, 245, 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(178, 245, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 245, 252) }
```

Border

The CSS property to change the border of an element to Yxy 81.7981, 0.2693, 0.3212 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, 245, 252) }
```

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

```
.border{ border-color:rgb(178, 245, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 245, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 245, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 245, 252);  
box-shadow:4px 4px 4px 4px rgb(178, 245,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7981, 0.2693, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 245, 252) }
```

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

```
.background{ background-color: rgb(178,  
245, 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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