

Converting Colors

$Yxy(80.1256, 0.2764, 0.3110)$

Have a look what the booklet for
Yxy(80.1256, 0.2764, 0.3110)
contains.

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Color

Yxy(79.9712, 0.2763, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	C3EEFF
RGB	195, 238, 255
RGB Percent	76%, 93%, 100%
CMY	0.2356, 0.0666, 0.0000
CMYK	0.24, 0.07, 0.00, 0.00
HSL	197°, 100%, 88%
HSV	197°, 24%, 100%
XYZ	71.1170, 79.9712, 106.3022
YIQ	227.0810, -31.0850, -3.8290

Conversions

Conversions Part 2

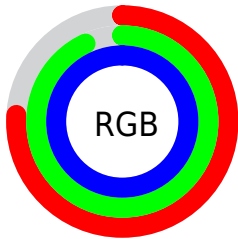
Format	Color
RYB	195, 220, 255
Decimal	12840703
CIELab	91.67, -10.18, -12.77
CIELCh	92, 16.328, 231.428
Yxy	79.9712, 0.2763, 0.3107
Android (android.graphics.Color)	4291030783 (0xFFC3EEFF)
YUV	227.0810, 13.7641, -28.1350
Hunter-Lab	89.4266, -14.5436, -7.8799

Details

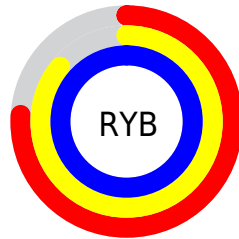
The Yxy color **79.9712, 0.2763, 0.3107** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.2376, 0.3579, 0.3466**, and the grayscale version is **76.7852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **43.1086, 0.2684, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **72.7499, 0.2614, 0.3017**, and if you desaturate by 10%, it is **87.9457, 0.2917, 0.3190**.

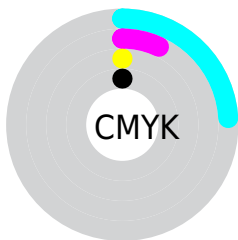
Distribution



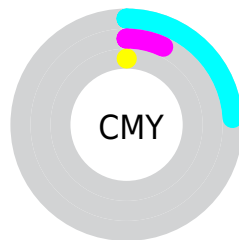
- Red (76%)
- Green (93%)
- Blue (100%)



- Red (76%)
- Yellow (86%)
- Blue (100%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9712, 0.2763, 0.3107 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 79.9712, 0.2763, 0.3107 by changing the saturation by 10% instead.

79.9712, 0.2763,
0.3107

79.9712, 0.2763,
0.3107

494.8358, 0.2927,
0.3192

59.6947, 0.2727,
0.3087

133.3252, 0.2819,
0.3137

43.1726, 0.2683,
0.3063

167.1715, 0.2841,
0.3148

30.0205, 0.2628,
0.3033

206.3098, 0.2860,
0.3158

19.8542, 0.2557,
0.2993

251.1246, 0.2877,
0.3167

12.2891, 0.2464,
0.2939

302.0002, 0.2891,
0.3174

6.9409, 0.2335,
0.2861

359.3210, 0.2904,

3.4252, 0.2145,

0.3181

0.2741

423.4714, 0.2916,
0.3187

■ 1.3575, 0.1844,
0.2535

■ 0.1851, 0.0000,
0.1440

■ 79.9712, 0.2763,
0.3107

■ 79.9712, 0.2763,
0.3107

■ 72.7499, 0.2614,
0.3017

■ 87.9457, 0.2917,
0.3190

■ 66.2425, 0.2473,
0.2921

■ 96.6948, 0.3072,
0.3265

■ 60.4177, 0.2345,
0.2820

100.0000, 0.3127,
0.3290

■ 55.2381, 0.2231,
0.2714

■ 50.6617, 0.2136,
0.2606

■ 46.6405, 0.2060,
0.2498

■ 43.1162, 0.2006,
0.2391

■ 41.0560, 0.1979,
0.2323

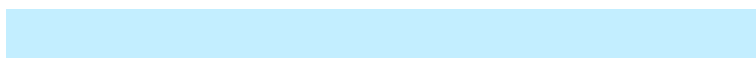
Harmonies

Analogous

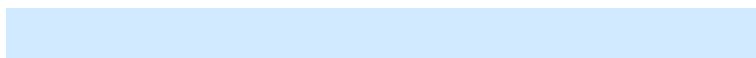
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9712, 0.2813, 0.3271



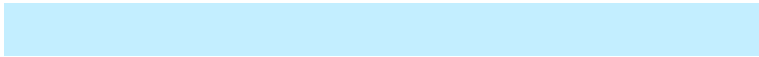
79.9712, 0.2763, 0.3107



79.9712, 0.2806, 0.2999

Triad

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



79.9712, 0.2763, 0.3107



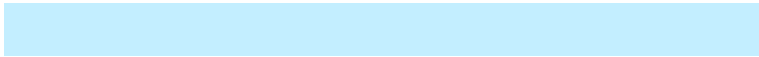
79.9712, 0.3306, 0.3139



79.9712, 0.3316, 0.3627

Complementary

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



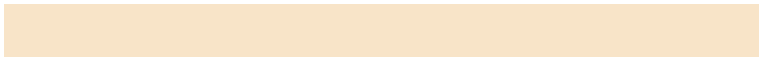
79.9712, 0.2763, 0.3107



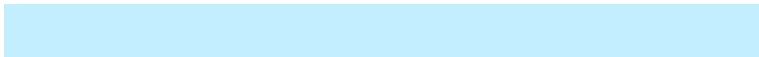
72.2376, 0.3579, 0.3466

Split Complementary

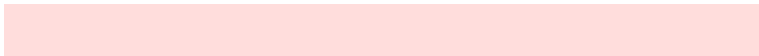
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9712, 0.3455, 0.3579



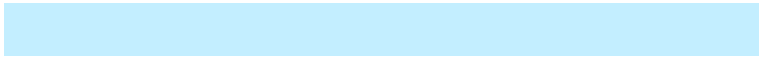
79.9712, 0.2763, 0.3107



79.9712, 0.3451, 0.3296

Square

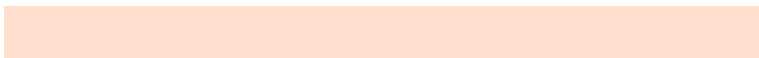
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



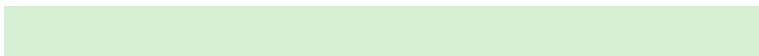
79.9712, 0.2763, 0.3107



79.9712, 0.3116, 0.3022



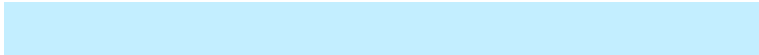
79.9712, 0.3506, 0.3456



79.9712, 0.3129, 0.3580

Rectangle

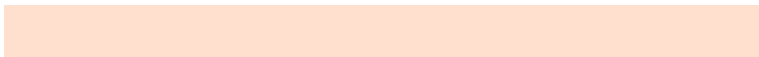
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



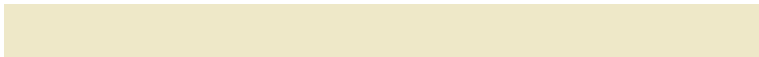
79.9712, 0.2763, 0.3107



79.9712, 0.2883, 0.2971



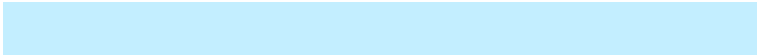
79.9712, 0.3506, 0.3456



79.9712, 0.3370, 0.3621

Sweetspot

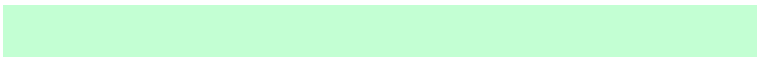
The Sweet Spot groups the original color and five complimentary colors.



79.9738, 0.2763, 0.3107



93.5934, 0.3019, 0.3240



87.8131, 0.3009, 0.3774



19.9185, 0.3009, 0.3236



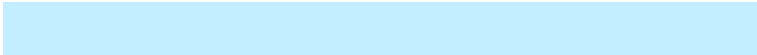
0.0000, 0.0000, 0.0000



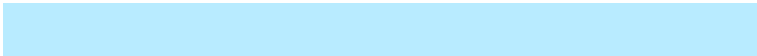
21.4041, 0.3127, 0.3290

Same Dimension

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



79.9738, 0.2763, 0.3107



76.6741, 0.2696, 0.3068



64.3866, 0.2736, 0.2782



19.5626, 0.2980, 0.3221



21.7190, 0.1984, 0.2341



2.3004, 0.2017, 0.2462

Inverse Universe

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



66.4324, 0.3279, 0.2860



61.3627, 0.3314, 0.2776



88.0976, 0.3514, 0.3751



18.2077, 0.3182, 0.3121



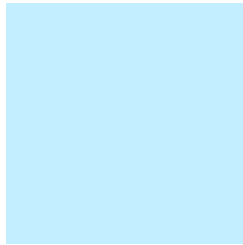
12.9205, 0.4084, 0.2023



1.2768, 0.3960, 0.1955

Previews

White Background



This preview shows how the Yxy color 79.9712, 0.2763, 0.3107 looks on a white background.

Color Contrast Check

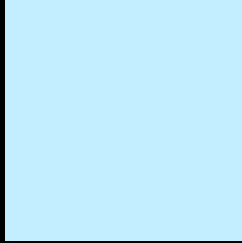
Large Text (above 18pt) WCAG AA × Fail

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 79.9712, 0.2763, 0.3107 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 79.9712, 0.2763, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 79.9712, 0.2763, 0.3107.

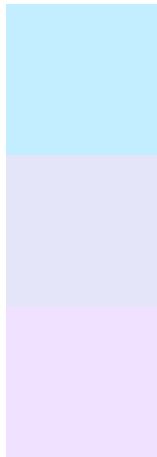


This preview shows how white text looks on a background with the Yxy color 79.9712, 0.2763, 0.3107.

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

79.9712, 0.2763, 0.3107

Protanopia

79.5362, 0.3003, 0.3084

Deuteranopia

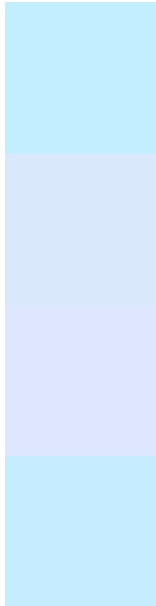
79.4211, 0.3033, 0.2989



Tritanopia

79.7941, 0.2780, 0.3097

Trichromacy



Original Color

79.9712, 0.2763, 0.3107

Protanomaly

79.4300, 0.2914, 0.3091

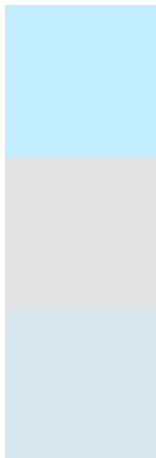
Deuteranomaly

79.5016, 0.2928, 0.3032

Tritanomaly

79.6587, 0.2774, 0.3097

Monochromacy



Original Color

79.9712, 0.2763, 0.3107

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.7133, 0.2984, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9712, 0.2763, 0.3107 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(195, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 238, 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(195, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.9712, 0.2763, 0.3107 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(195, 238, 255) }
```

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

```
.border{ border-color:rgb(195, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9712, 0.2763, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 238, 255) }
```

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

```
.background{ background-color: rgb(195,  
238, 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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