

Converting Colors

$Yxy(80.1153, 0.2717, 0.3128)$

Have a look what the booklet for
Yxy(80.1153, 0.2717, 0.3128)
contains.

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Color

Yxy(79.9793, 0.2715, 0.3126)

Conversions

Conversions Part 1

Format	Color
Hex	BAF0FF
RGB	186, 240, 255
RGB Percent	73%, 94%, 100%
CMY	0.2706, 0.0588, 0.0000
CMYK	0.27, 0.06, 0.00, 0.00
HSL	193°, 100%, 86%
HSV	193°, 27%, 100%
XYZ	69.4638, 79.9793, 106.4088
YIQ	225.5640, -36.9990, -6.7830

Conversions

Conversions Part 2

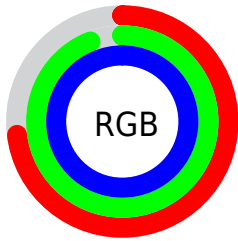
Format	Color
R_{YB}	186, 216, 255
Decimal	12251391
CIE _{Lab}	91.68, -13.74, -12.83
CIE _{LCh}	92, 18.797, 223.027
Yxy	79.9793, 0.2715, 0.3126
Android (android.graphics.Color)	4290441471 (0xFFBAF0FF)
YUV	225.5640, 14.5119, -34.6976
Hunter-Lab	89.4311, -17.8583, -7.9438

Details

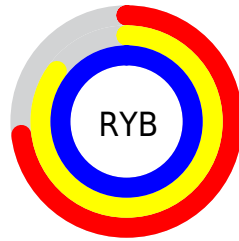
The Yxy color **79.9793, 0.2715, 0.3126** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.5802, 0.3676, 0.3447**, and the grayscale version is **75.6364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **43.1835, 0.2627, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **73.8523, 0.2574, 0.3056**, and if you desaturate by 10%, it is **86.7783, 0.2864, 0.3191**.

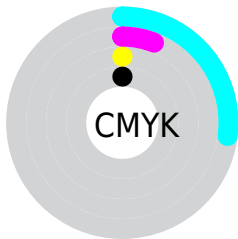
Distribution



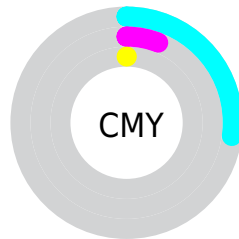
- Red (73%)
- Green (94%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9793, 0.2715, 0.3126 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 79.9793, 0.2715, 0.3126 by changing the saturation by 10% instead.


 79.9793, 0.2715,
0.3126

 79.9793, 0.2715,
0.3126


494.8631, 0.2900,
0.3203

 59.7013, 0.2674,
0.3108

 133.3366, 0.2778,
0.3153

 43.1779, 0.2624,
0.3086


167.1848, 0.2803,
0.3164

 30.0248, 0.2563,
0.3057


206.3251, 0.2824,
0.3173

 19.8574, 0.2484,
0.3020

251.1420, 0.2843,
0.3180

 12.2914, 0.2379,
0.2969

302.0198, 0.2860,
0.3187

 6.9425, 0.2236,
0.2895

359.3430, 0.2875,

 3.4261, 0.2026,

0.3193

0.2779

423.4960, 0.2888,
0.3199

■ 1.3581, 0.1696,
0.2576

■ 0.1855, 0.0000,
0.1437

■ 79.9793, 0.2715,
0.3126

■ 79.9793, 0.2715,
0.3126

■ 73.8523, 0.2574,
0.3056

■ 86.7783, 0.2864,
0.3191

■ 68.3625, 0.2444,
0.2982

■ 94.2746, 0.3018,
0.3251

■ 63.4771, 0.2329,
0.2904

100.0000, 0.3127,
0.3290

■ 59.1584, 0.2231,
0.2824

■ 55.3639, 0.2152,
0.2743

■ 52.0435, 0.2094,
0.2663

■ 49.1338, 0.2054,
0.2583

■ 48.3278, 0.2044,
0.2559

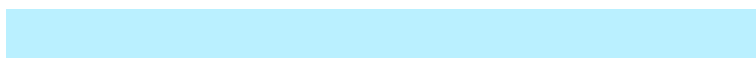
Harmonies

Analogous

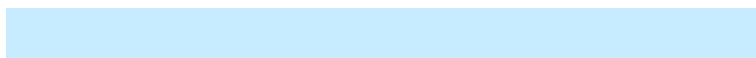
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9793, 0.2801, 0.3325



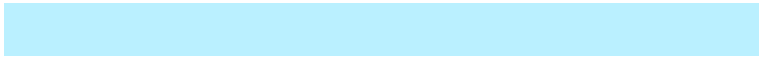
79.9793, 0.2715, 0.3126



79.9793, 0.2735, 0.2982

Triad

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



79.9793, 0.2715, 0.3126



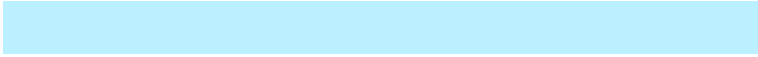
79.9793, 0.3274, 0.3074



79.9793, 0.3397, 0.3674

Complementary

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



79.9793, 0.2715, 0.3126



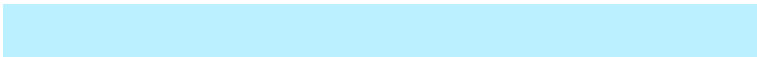
66.5802, 0.3676, 0.3447

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.



79.9793, 0.3533, 0.3588



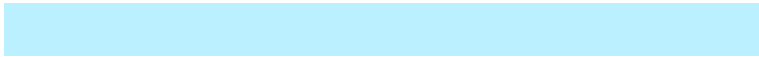
79.9793, 0.2715, 0.3126



79.9793, 0.3462, 0.3243

Square

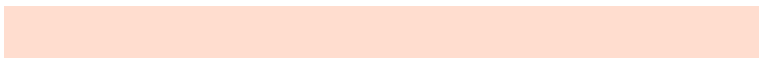
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9793, 0.2715, 0.3126



79.9793, 0.3051, 0.2958



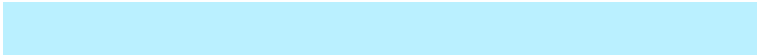
79.9793, 0.3558, 0.3430



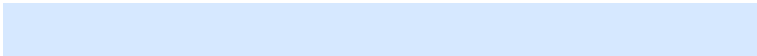
79.9793, 0.3191, 0.3652

Rectangle

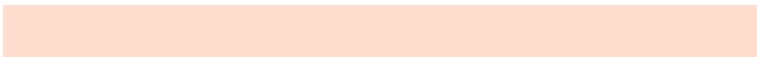
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



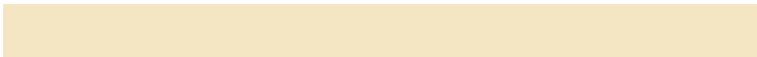
79.9793, 0.2715, 0.3126



79.9793, 0.2805, 0.2932



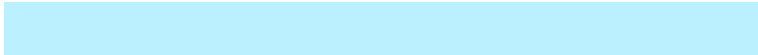
79.9793, 0.3558, 0.3430



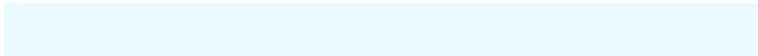
79.9793, 0.3453, 0.3656

Sweetspot

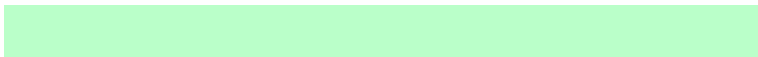
The Sweet Spot groups the original color and five complimentary colors.



79.9805, 0.2715, 0.3126



93.5372, 0.3003, 0.3246



86.1745, 0.3010, 0.3898



19.7718, 0.2980, 0.3237



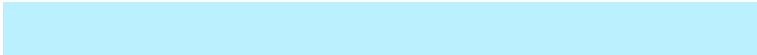
0.0000, 0.0000, 0.0000



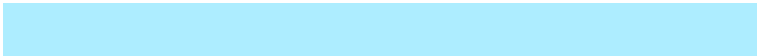
21.4041, 0.3127, 0.3290

Same Dimension

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



79.9805, 0.2715, 0.3126



76.8696, 0.2644, 0.3092



61.5875, 0.2676, 0.2735



19.7718, 0.2980, 0.3237



25.4815, 0.2048, 0.2573



2.6393, 0.2073, 0.2664

Inverse Universe

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



62.6711, 0.3272, 0.2751



57.4305, 0.3304, 0.2651



84.4808, 0.3585, 0.3789



18.2288, 0.3171, 0.3106



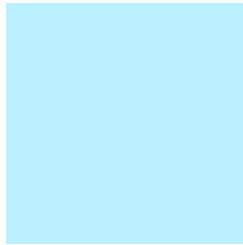
13.3003, 0.3851, 0.1895



1.3110, 0.3763, 0.1846

Previews

White Background



This preview shows how the Yxy color 79.9793, 0.2715, 0.3126 looks on a white background.

Color Contrast Check

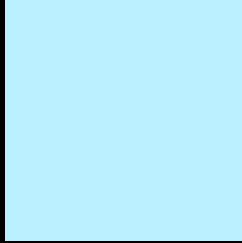
Large Text (above 18pt) WCAG AA × Fail

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 79.9793, 0.2715, 0.3126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

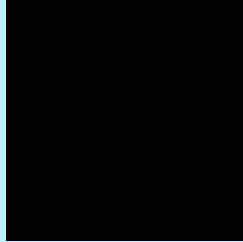
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.9793, 0.2715, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 79.9793, 0.2715, 0.3126.

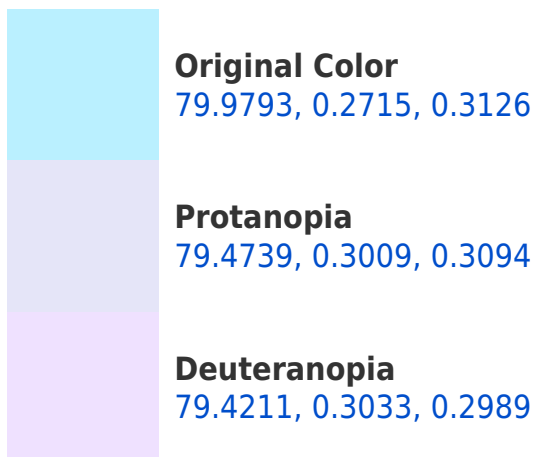


This preview shows how white text looks on a background with the Yxy color 79.9793, 0.2715, 0.3126.

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

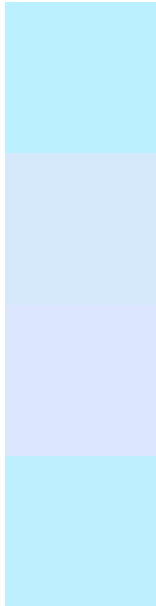




Tritanopia

79.7065, 0.2752, 0.3106

Trichromacy



Original Color

79.9793, 0.2715, 0.3126

Protanomaly

79.3890, 0.2890, 0.3100

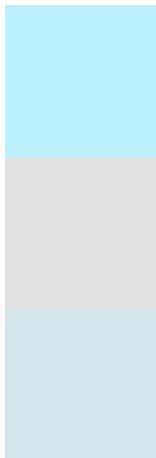
Deuteranomaly

79.0293, 0.2909, 0.3031

Tritanomaly

79.9002, 0.2736, 0.3116

Monochromacy



Original Color

79.9793, 0.2715, 0.3126

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 79.9793, 0.2715, 0.3126 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(186, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 240, 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(186, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.9793, 0.2715, 0.3126 is called "border". The border property can be set on classes, ids or directly on the HTML element.

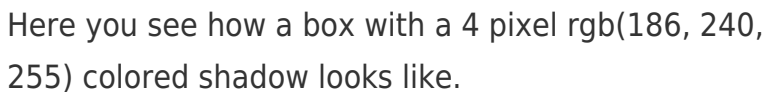
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 240, 255) }
```

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

```
.border{ border-color:rgb(186, 240, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9793, 0.2715, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 240, 255) }
```

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

```
.background{ background-color: rgb(186,  
240, 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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