

Converting Colors

$Yxy(79.7432, 0.2824, 0.3121)$

Have a look what the booklet for
Yxy(79.7432, 0.2824, 0.3121)
contains.

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Color

Yxy(79.7157, 0.2825, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	CBECFC
RGB	203, 236, 252
RGB Percent	80%, 93%, 99%
CMY	0.2037, 0.0745, 0.0118
CMYK	0.19, 0.06, 0.00, 0.01
HSL	200°, 89%, 89%
HSV	200°, 19%, 99%
XYZ	72.2016, 79.7157, 103.6636
YIQ	227.9570, -24.8040, -2.0200

Conversions

Conversions Part 2

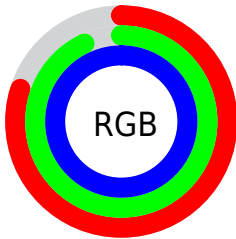
Format	Color
R _Y B	203, 223, 252
Decimal	13364476
CIE Lab	91.56, -7.39, -11.31
CIE LCh	92, 13.509, 236.836
Yxy	79.7157, 0.2825, 0.3119
Android (android.graphics.Color)	4291554556 (0xFFCBECFC)
YUV	227.9570, 11.8532, -21.8873
Hunter-Lab	89.2836, -11.8976, -6.3407

Details

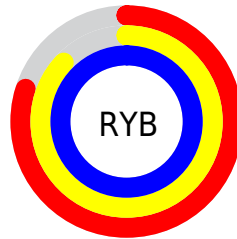
The Yxy color **79.7157, 0.2825, 0.3119** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.6889, 0.3481, 0.3455**, and the grayscale version is **77.4822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.8785, 0.2759, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **71.8307, 0.2671, 0.3018**, and if you desaturate by 10%, it is **88.4008, 0.2981, 0.3211**.

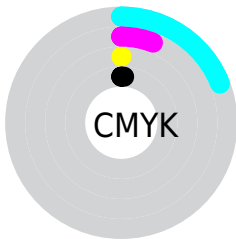
Distribution



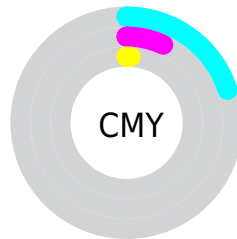
- Red (80%)
- Green (93%)
- Blue (99%)



- Red (80%)
- Yellow (87%)
- Blue (99%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (20%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7157, 0.2825, 0.3119 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 79.7157, 0.2825, 0.3119 by changing the saturation by 10% instead.

■ 79.7157, 0.2825,
0.3119

■ 79.7157, 0.2825,
0.3119

493.9742, 0.2961,
0.3198

■ 59.4844, 0.2795,
0.3101

132.9659, 0.2872,
0.3146

■ 43.0032, 0.2758,
0.3079

166.7537, 0.2890,
0.3157

■ 29.8876, 0.2712,
0.3051

205.8291, 0.2906,
0.3166

■ 19.7533, 0.2652,
0.3014

250.5765, 0.2920,
0.3174

■ 12.2159, 0.2573,
0.2965

301.3803, 0.2932,
0.3181

■ 6.8909, 0.2464,
0.2894

358.6250, 0.2943,

■ 3.3939, 0.2301,

0.3188

0.2785

422.6948, 0.2952,
0.3193

1.3407, 0.2036,
0.2597

0.1724, 0.0000,
0.1498

79.7157, 0.2825,
0.3119

79.7157, 0.2825,
0.3119

71.8307, 0.2671,
0.3018

88.4008, 0.2981,
0.3211

64.7055, 0.2523,
0.2909

97.9048, 0.3136,
0.3295

58.3101, 0.2383,
0.2793

99.8074, 0.3145,
0.3319

52.6087, 0.2257,
0.2671

■ 47.5616, 0.2147,
0.2546

■ 43.1235, 0.2057,
0.2419

■ 39.2416, 0.1987,
0.2293

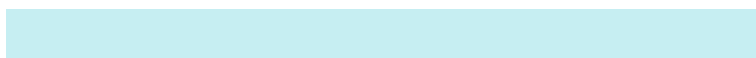
■ 35.8353, 0.1937,
0.2170

■ 35.6475, 0.1934,
0.2163

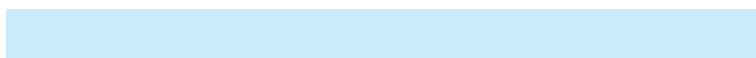
Harmonies

Analogous

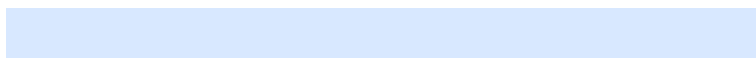
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7157, 0.2853, 0.3249



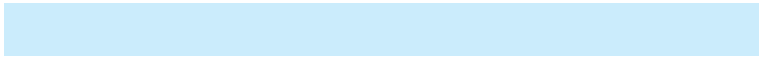
79.7157, 0.2825, 0.3119



79.7157, 0.2875, 0.3040

Triad

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



79.7157, 0.2825, 0.3119



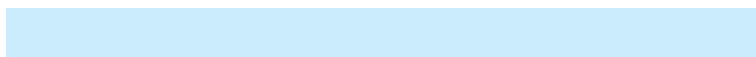
79.7157, 0.3301, 0.3187



79.7157, 0.3258, 0.3567

Complementary

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



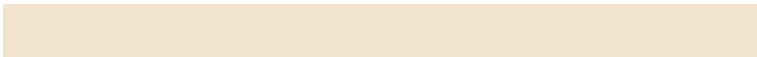
79.7157, 0.2825, 0.3119



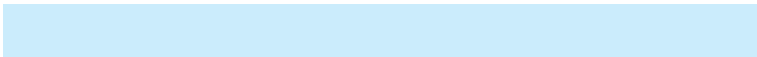
75.6889, 0.3481, 0.3455

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.



79.7157, 0.3383, 0.3542



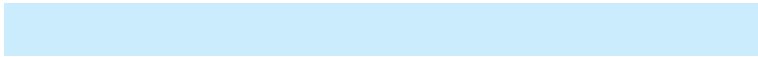
79.7157, 0.2825, 0.3119



79.7157, 0.3409, 0.3321

Square

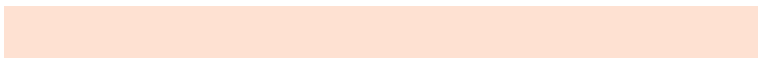
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7157, 0.2825, 0.3119



79.7157, 0.3148, 0.3081



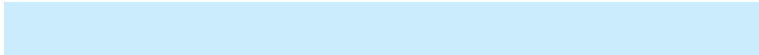
79.7157, 0.3439, 0.3450



79.7157, 0.3101, 0.3513

Rectangle

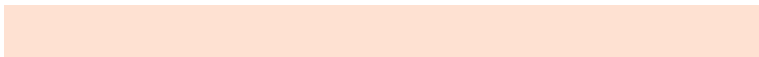
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



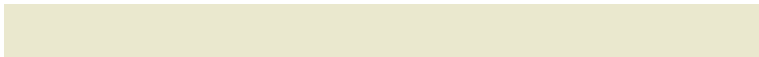
79.7157, 0.2825, 0.3119



79.7157, 0.2947, 0.3023



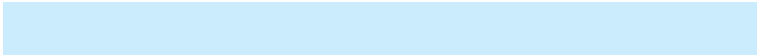
79.7157, 0.3439, 0.3450



79.7157, 0.3306, 0.3567

Sweetspot

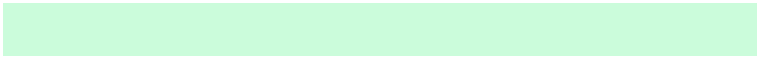
The Sweet Spot groups the original color and five complimentary colors.



79.7190, 0.2825, 0.3119



94.0647, 0.3034, 0.3241



87.4054, 0.3015, 0.3652



19.9994, 0.3024, 0.3235



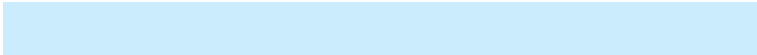
0.0000, 0.0000, 0.0000



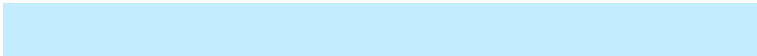
21.4041, 0.3127, 0.3290

Same Dimension

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



79.7190, 0.2825, 0.3119



78.9000, 0.2769, 0.3084



66.8268, 0.2809, 0.2855



18.5966, 0.2980, 0.3211



18.8518, 0.1940, 0.2184



1.9391, 0.1981, 0.2331

Inverse Universe

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



69.4825, 0.3264, 0.2959



66.9446, 0.3294, 0.2895



89.1162, 0.3437, 0.3691



17.4224, 0.3188, 0.3132



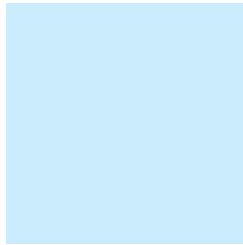
12.3140, 0.4250, 0.2115



1.1600, 0.4094, 0.2029

Previews

White Background



This preview shows how the Yxy color 79.7157, 0.2825, 0.3119 looks on a white background.

Color Contrast Check

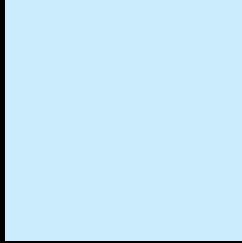
Large Text (above 18pt) WCAG AA × Fail

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 79.7157, 0.2825, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

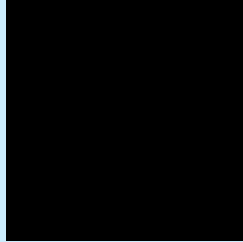
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

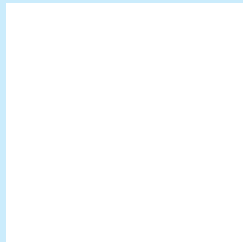
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7157, 0.2825, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 79.7157, 0.2825, 0.3119.



This preview shows how white text looks on a background with the Yxy color 79.7157, 0.2825, 0.3119.

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

79.7157, 0.2825, 0.3119

Protanopia

79.4739, 0.3009, 0.3094

Deuteranopia

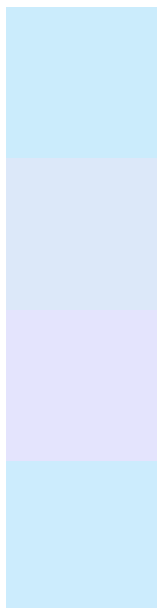
79.3443, 0.3059, 0.2991



Tritanopia

79.9840, 0.2820, 0.3098

Trichromacy



Original Color

79.7157, 0.2825, 0.3119

Protanomaly

79.7684, 0.2945, 0.3113

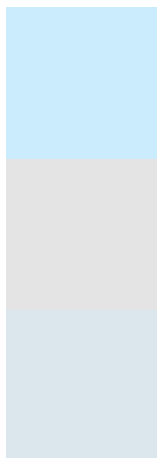
Deuteranomaly

79.0726, 0.2972, 0.3034

Tritanomaly

79.9201, 0.2825, 0.3109

Monochromacy



Original Color

79.7157, 0.2825, 0.3119

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.3263, 0.3010, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7157, 0.2825, 0.3119 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(203, 236, 252)` looks like.

```
.text, #text, p{  
    color:rgb(203, 236, 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(203, 236, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 236, 252) }
```

Border

The CSS property to change the border of an element to Yxy 79.7157, 0.2825, 0.3119 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(203, 236, 252) }
```

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

```
.border{ border-color:rgb(203, 236, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 236, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 236, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 236, 252);  
box-shadow:4px 4px 4px 4px rgb(203, 236,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7157, 0.2825, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 236, 252) }
```

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

```
.background{ background-color: rgb(203,  
236, 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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