

Converting Colors

$Yxy(82.5555, 0.2822, 0.3157)$

Have a look what the booklet for
Yxy(82.5555, 0.2822, 0.3157)
contains.

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Color

Yxy(82.6990, 0.2823, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	CBF1FD
RGB	203, 241, 253
RGB Percent	80%, 95%, 99%
CMY	0.2036, 0.0550, 0.0078
CMYK	0.20, 0.05, 0.00, 0.01
HSL	194°, 93%, 89%
HSV	194°, 20%, 99%
XYZ	73.8328, 82.6990, 105.0084
YIQ	231.0060, -26.5000, -4.3240

Conversions

Conversions Part 2

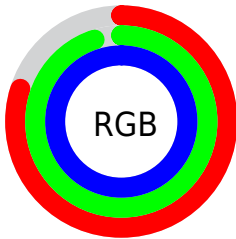
Format	Color
R _Y B	203, 225, 253
Decimal	13365757
CIE Lab	92.88, -9.69, -9.87
CIE LCh	93, 13.834, 225.521
Yxy	82.6990, 0.2823, 0.3162
Android (android.graphics.Color)	4291555837 (0xFFC _B F1FD)
YUV	231.0060, 10.8430, -24.5613
Hunter-Lab	90.9390, -14.2202, -4.8056

Details

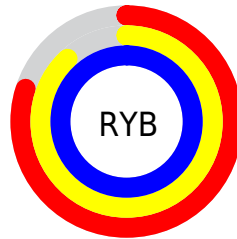
The Yxy color **82.6990, 0.2823, 0.3162** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8633, 0.3496, 0.3414**, and the grayscale version is **79.8622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9793, 0.2758, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **75.8842, 0.2674, 0.3088**, and if you desaturate by 10%, it is **90.2211, 0.2976, 0.3230**.

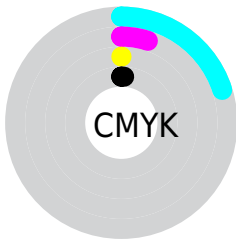
Distribution



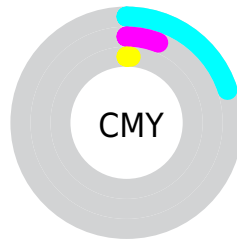
- Red (80%)
- Green (95%)
- Blue (99%)



- Red (80%)
- Yellow (88%)
- Blue (99%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)



- Cyan (20%)
- Magenta (6%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6990, 0.2823, 0.3162 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 82.6990, 0.2823, 0.3162 by changing the saturation by 10% instead.

82.6990, 0.2823,
0.3162

82.6990, 0.2823,
0.3162

503.9828, 0.2959,
0.3221

61.9419, 0.2793,
0.3148

137.1538, 0.2869,
0.3183

44.9857, 0.2756,
0.3132

171.6203, 0.2888,
0.3191

31.4462, 0.2711,
0.3110

211.4253, 0.2904,
0.3198

20.9388, 0.2652,
0.3083

256.9533, 0.2917,
0.3204

13.0793, 0.2575,
0.3045

308.5887, 0.2930,
0.3209

7.4832, 0.2468,
0.2991

366.7158, 0.2941,

3.7661, 0.2311,

0.3214

0.2908

431.7190, 0.2950,
0.3218

■ 1.5436, 0.2060,
0.2764

■ 0.3191, 0.0468,
0.2239

■ 82.6990, 0.2823,
0.3162

■ 82.6990, 0.2823,
0.3162

■ 75.8842, 0.2674,
0.3088

■ 90.2211, 0.2976,
0.3230

■ 69.7374, 0.2534,
0.3009

■ 98.4677, 0.3131,
0.3292

■ 64.2303, 0.2405,
0.2925

■ 99.8726, 0.3139,
0.3309

■ 59.3284, 0.2291,
0.2837

■ 54.9932, 0.2195,
0.2747

■ 51.1811, 0.2118,
0.2657

■ 47.8400, 0.2061,
0.2566

■ 44.8881, 0.2022,
0.2477

■ 44.8115, 0.2021,
0.2475

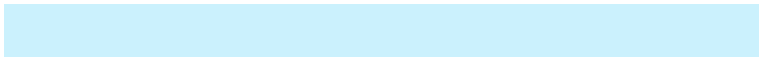
Harmonies

Analogous

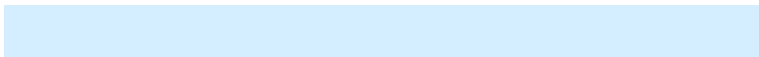
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6990, 0.2881, 0.3304



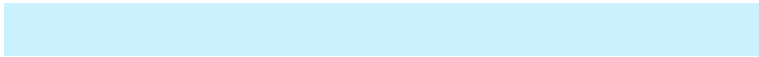
82.6990, 0.2823, 0.3162



82.6990, 0.2844, 0.3059

Triad

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



82.6990, 0.2823, 0.3162



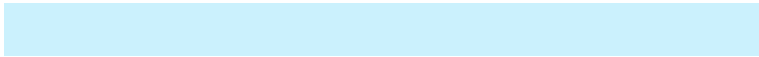
82.6990, 0.3248, 0.3140



82.6990, 0.3314, 0.3570

Complementary

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



82.6990, 0.2823, 0.3162



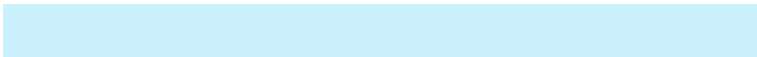
73.8633, 0.3496, 0.3414

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.



82.6990, 0.3417, 0.3517



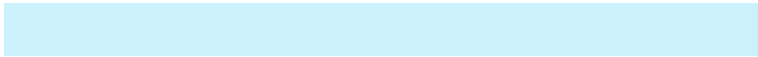
82.6990, 0.2823, 0.3162



82.6990, 0.3379, 0.3269

Square

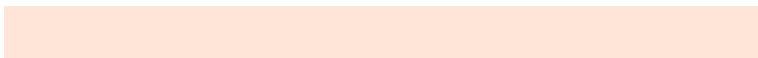
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6990, 0.2823, 0.3162



82.6990, 0.3086, 0.3051



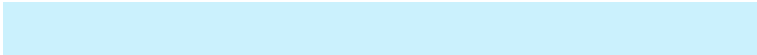
82.6990, 0.3441, 0.3405



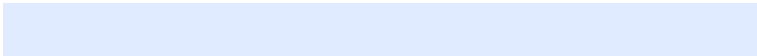
82.6990, 0.3162, 0.3545

Rectangle

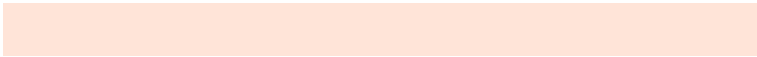
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6990, 0.2823, 0.3162



82.6990, 0.2900, 0.3026



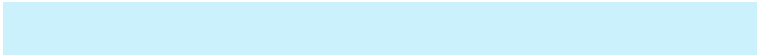
82.6990, 0.3441, 0.3405



82.6990, 0.3355, 0.3560

Sweetspot

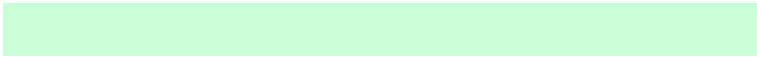
The Sweet Spot groups the original color and five complimentary colors.



82.7024, 0.2823, 0.3162



94.8830, 0.3034, 0.3254



87.8604, 0.3037, 0.3705



20.1932, 0.3024, 0.3250



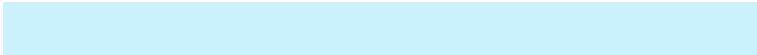
0.0000, 0.0000, 0.0000



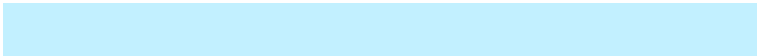
21.4041, 0.3127, 0.3290

Same Dimension

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



82.7024, 0.2823, 0.3162



81.1320, 0.2759, 0.3131



69.1207, 0.2806, 0.2893



19.6960, 0.2980, 0.3231



24.0739, 0.2025, 0.2489



2.5131, 0.2053, 0.2591

Inverse Universe

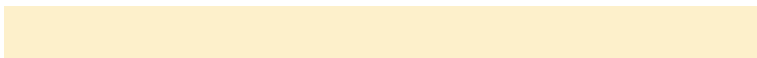
The Inverse Universe completely reimagines the original color for something new.



69.9897, 0.3235, 0.2912



66.0609, 0.3263, 0.2827



87.3447, 0.3450, 0.3658



18.2211, 0.3175, 0.3111



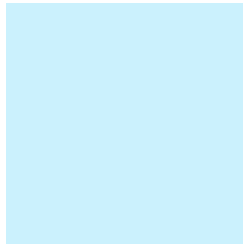
13.1582, 0.3933, 0.1940



1.2982, 0.3832, 0.1885

Previews

White Background



This preview shows how the Yxy color 82.6990, 0.2823, 0.3162 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 82.6990, 0.2823, 0.3162 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 82.6990, 0.2823, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 82.6990, 0.2823, 0.3162.

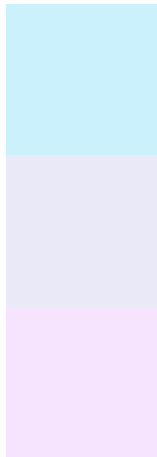


This preview shows how white text looks on a background with the Yxy color 82.6990, 0.2823, 0.3162.

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

82.6990, 0.2823, 0.3162

Protanopia

82.5476, 0.3041, 0.3138

Deuteranopia

82.2996, 0.3079, 0.3024



Tritanopia

82.6546, 0.2852, 0.3122

Trichromacy



Original Color

82.6990, 0.2823, 0.3162

Protanomaly

82.5810, 0.2959, 0.3145

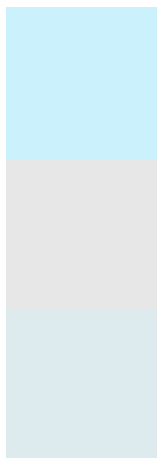
Deuteranomaly

82.2566, 0.2980, 0.3077

Tritanomaly

82.7413, 0.2840, 0.3142

Monochromacy



Original Color

82.6990, 0.2823, 0.3162

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.0208, 0.3011, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6990, 0.2823, 0.3162 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, 241, 253)` looks like.

```
.text, #text, p{  
    color:rgb(203, 241, 253)  
}
```

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, 241, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 241, 253) }
```

Border

The CSS property to change the border of an element to Yxy 82.6990, 0.2823, 0.3162 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, 241, 253) }
```

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

```
.border{ border-color:rgb(203, 241, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 241, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 241, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 241, 253);  
box-shadow:4px 4px 4px 4px rgb(203, 241,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6990, 0.2823, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 241, 253) }
```

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

```
.background{ background-color: rgb(203,  
241, 253) }
```

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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