

Converting Colors

$Yxy(82.7114, 0.2847, 0.3120)$

Have a look what the booklet for
Yxy(82.7114, 0.2847, 0.3120)
contains.

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Color

Yxy(82.6546, 0.2852, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	D2EFFF
RGB	210, 239, 255
RGB Percent	82%, 94%, 100%
CMY	0.1763, 0.0628, 0.0000
CMYK	0.18, 0.06, 0.00, 0.00
HSL	201°, 100%, 91%
HSV	201°, 18%, 100%
XYZ	75.5064, 82.6546, 106.5879
YIQ	232.1530, -22.4200, -1.1720

Conversions

Conversions Part 2

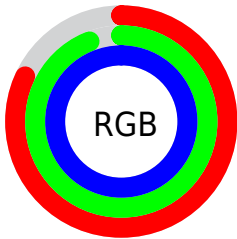
Format	Color
R_{YB}	210, 228, 255
Decimal	13823999
CIE Lab	92.86, -6.16, -10.89
CIE LCh	93, 12.512, 240.498
Yxy	82.6546, 0.2852, 0.3122
Android (android.graphics.Color)	4292014079 (0xFFD2EFFF)
YUV	232.1530, 11.2636, -19.4282
Hunter-Lab	90.9146, -10.8527, -5.8712

Details

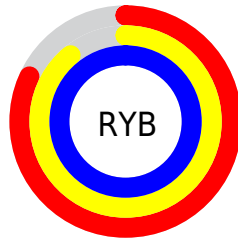
The Yxy color **82.6546, 0.2852, 0.3122** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.3420, 0.3441, 0.3452**, and the grayscale version is **80.7510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9128, 0.2793, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **74.0220, 0.2696, 0.3013**, and if you desaturate by 10%, it is **92.1566, 0.3009, 0.3221**.

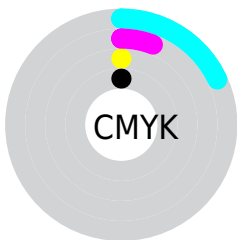
Distribution



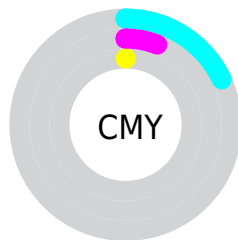
- Red (82%)
- Green (94%)
- Blue (100%)



- Red (82%)
- Yellow (89%)
- Blue (100%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6546, 0.2852, 0.3122 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 82.6546, 0.2852, 0.3122 by changing the saturation by 10% instead.

82.6546, 0.2852,
0.3122

82.6546, 0.2852,
0.3122

503.8347, 0.2975,
0.3199

61.9053, 0.2825,
0.3105

137.0916, 0.2894,
0.3149

44.9561, 0.2791,
0.3083

171.5480, 0.2911,
0.3159

31.4229, 0.2750,
0.3057

211.3423, 0.2925,
0.3168

20.9211, 0.2697,
0.3022

256.8588, 0.2938,
0.3176

13.0663, 0.2627,
0.2975

308.4818, 0.2949,
0.3183

7.4742, 0.2529,
0.2909

366.5959, 0.2959,

3.7604, 0.2386,

0.3189

0.2809

431.5854, 0.2967,
0.3194

■ 1.5405, 0.2155,
0.2640

■ 0.3170, 0.0954,
0.2004

■ 82.6546, 0.2852,
0.3122

■ 82.6546, 0.2852,
0.3122

■ 74.0220, 0.2696,
0.3013

■ 92.1566, 0.3009,
0.3221

■ 66.2180, 0.2543,
0.2895

100.0000, 0.3127,
0.3290

■ 59.2112, 0.2399,
0.2769

■ 52.9642, 0.2266,
0.2636

■ 47.4359, 0.2148,
0.2499

■ 42.5798, 0.2050,
0.2360

■ 38.3422, 0.1972,
0.2221

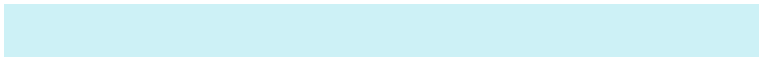
■ 34.6531, 0.1916,
0.2086

■ 33.8347, 0.1904,
0.2055

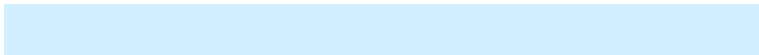
Harmonies

Analogous

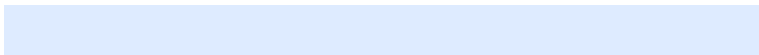
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6546, 0.2869, 0.3237



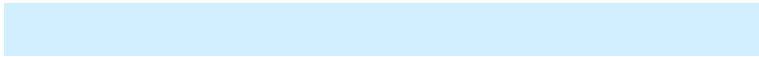
82.6546, 0.2852, 0.3122



82.6546, 0.2906, 0.3056

Triad

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



82.6546, 0.2852, 0.3122



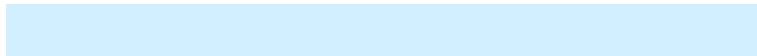
82.6546, 0.3301, 0.3210



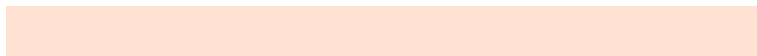
82.6546, 0.3231, 0.3541

Complementary

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



82.6546, 0.2852, 0.3122



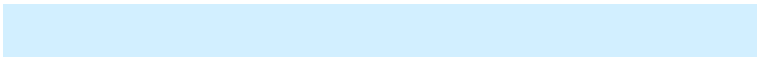
80.3420, 0.3441, 0.3452

Split Complementary

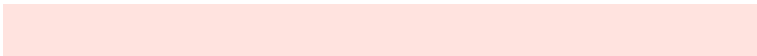
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6546, 0.3350, 0.3527



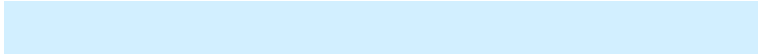
82.6546, 0.2852, 0.3122



82.6546, 0.3392, 0.3334

Square

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



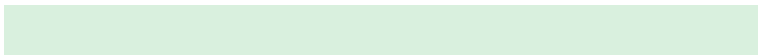
82.6546, 0.2852, 0.3122



82.6546, 0.3164, 0.3108



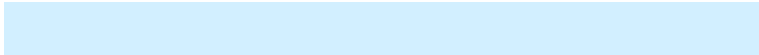
82.6546, 0.3410, 0.3450



82.6546, 0.3086, 0.3483

Rectangle

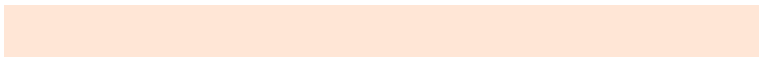
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6546, 0.2852, 0.3122



82.6546, 0.2977, 0.3046



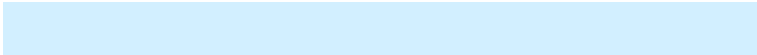
82.6546, 0.3410, 0.3450



82.6546, 0.3275, 0.3544

Sweetspot

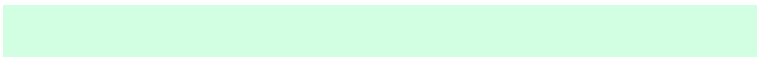
The Sweet Spot groups the original color and five complimentary colors.



82.6575, 0.2852, 0.3122



94.7983, 0.3050, 0.3246



90.7086, 0.3017, 0.3599



20.1381, 0.3039, 0.3239



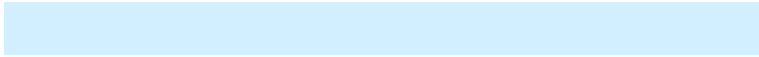
0.0000, 0.0000, 0.0000



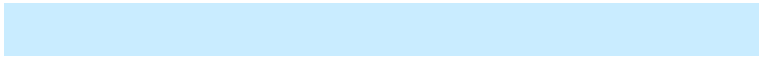
21.4041, 0.3127, 0.3290

Same Dimension

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



82.6575, 0.2852, 0.3122



79.6491, 0.2799, 0.3086



70.4496, 0.2840, 0.2883



19.3290, 0.2980, 0.3203



17.9717, 0.1910, 0.2077



1.9563, 0.1953, 0.2231

Inverse Universe

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



73.6109, 0.3258, 0.3003



69.2953, 0.3288, 0.2946



93.2093, 0.3404, 0.3667



18.1841, 0.3193, 0.3138



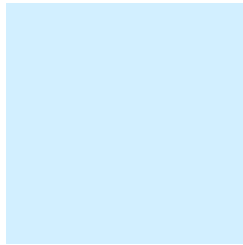
12.5422, 0.4367, 0.2179



1.2420, 0.4199, 0.2087

Previews

White Background



This preview shows how the Yxy color 82.6546, 0.2852, 0.3122 looks on a white background.

Color Contrast Check

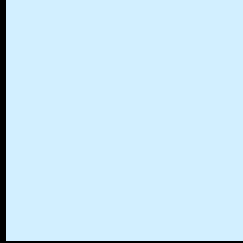
Large Text (above 18pt) WCAG AA × Fail

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 82.6546, 0.2852, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

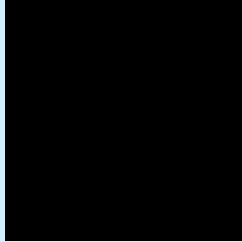
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

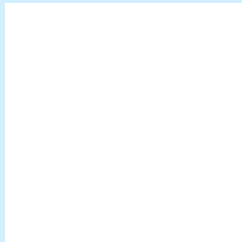
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6546, 0.2852, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 82.6546, 0.2852, 0.3122.



This preview shows how white text looks on a background with the Yxy color 82.6546, 0.2852, 0.3122.

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

82.6546, 0.2852, 0.3122

Protanopia

82.5665, 0.3017, 0.3107

Deuteranopia

82.1193, 0.3072, 0.3023



Tritanopia

82.5152, 0.2869, 0.3113

Trichromacy



Original Color

82.6546, 0.2852, 0.3122

Protanomaly

82.4525, 0.2960, 0.3115

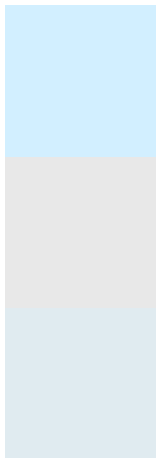
Deuteranomaly

82.0890, 0.2986, 0.3057

Tritanomaly

82.3661, 0.2863, 0.3112

Monochromacy



Original Color

82.6546, 0.2852, 0.3122

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.5552, 0.3024, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6546, 0.2852, 0.3122 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(210, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 239, 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(210, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.6546, 0.2852, 0.3122 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(210, 239, 255) }
```

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

```
.border{ border-color:rgb(210, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6546, 0.2852, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 239, 255) }
```

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

```
.background{ background-color: rgb(210,  
239, 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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