

Converting Colors

$Yxy(82.3618, 0.2861, 0.3113)$

Have a look what the booklet for
Yxy(82.3618, 0.2861, 0.3113)
contains.

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Color

Yxy(82.3661, 0.2863, 0.3112)

Conversions

Conversions Part 1

Format	Color
Hex	D4EEFF
RGB	212, 238, 255
RGB Percent	83%, 93%, 100%
CMY	0.1687, 0.0666, 0.0000
CMYK	0.17, 0.07, 0.00, 0.00
HSL	204°, 100%, 92%
HSV	204°, 17%, 100%
XYZ	75.7758, 82.3661, 106.5307
YIQ	232.1640, -20.9530, -0.2250

Conversions

Conversions Part 2

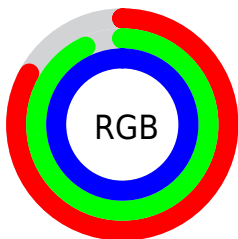
Format	Color
RYP	212, 228, 255
Decimal	13954815
CIELab	92.74, -5.07, -11.07
CIElCh	93, 12.176, 245.420
Yxy	82.3661, 0.2863, 0.3112
Android (android.graphics.Color)	4292144895 (0xFFD4EEFF)
YUV	232.1640, 11.2581, -17.6838
Hunter-Lab	90.7558, -9.7856, -6.0666

Details

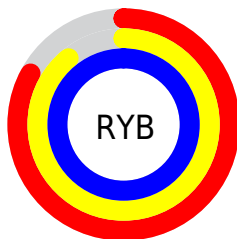
The Yxy color **82.3661, 0.2863, 0.3112** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.0418, 0.3423, 0.3461**, and the grayscale version is **80.7505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7012, 0.2807, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **73.1692, 0.2705, 0.2992**, and if you desaturate by 10%, it is **92.4935, 0.3021, 0.3221**.

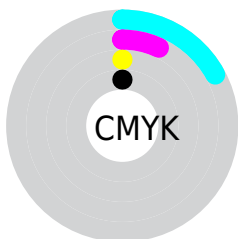
Distribution



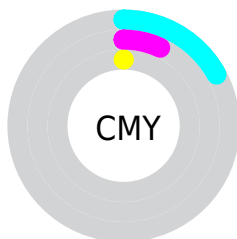
- Red (83%)
- Green (93%)
- Blue (100%)



- Red (83%)
- Yellow (89%)
- Blue (100%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3661, 0.2863, 0.3112 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 82.3661, 0.2863, 0.3112 by changing the saturation by 10% instead.

82.3661, 0.2863,
0.3112

82.3661, 0.2863,
0.3112

502.8715, 0.2982,
0.3193

61.6673, 0.2837,
0.3094

136.6873, 0.2903,
0.3140

44.7640, 0.2805,
0.3071

171.0785, 0.2919,
0.3151

31.2715, 0.2765,
0.3043

210.8027, 0.2933,
0.3160

20.8057, 0.2714,
0.3007

256.2442, 0.2945,
0.3169

12.9821, 0.2646,
0.2958

307.7874, 0.2956,
0.3176

7.4162, 0.2552,
0.2889

365.8168, 0.2965,

3.7237, 0.2413,

0.3182

0.2784

430.7167, 0.2974,
0.3188

■ 1.5202, 0.2188,
0.2609

■ 0.3029, 0.1041,
0.1920

■ 82.3661, 0.2863,
0.3112

■ 82.3661, 0.2863,
0.3112

■ 73.1692, 0.2705,
0.2992

■ 92.4935, 0.3021,
0.3221

■ 64.8640, 0.2548,
0.2861

100.0000, 0.3127,
0.3290

■ 57.4164, 0.2398,
0.2720

■ 50.7880, 0.2259,
0.2572

■ 44.9362, 0.2134,
0.2419

■ 39.8136, 0.2029,
0.2263

■ 35.3652, 0.1944,
0.2109

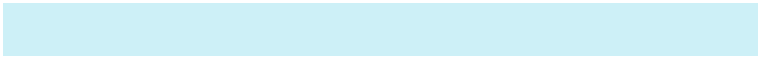
■ 31.5228, 0.1882,
0.1959

■ 30.4134, 0.1865,
0.1913

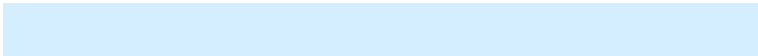
Harmonies

Analogous

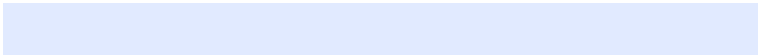
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3661, 0.2868, 0.3218



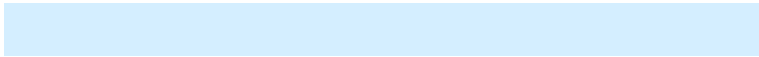
82.3661, 0.2863, 0.3112



82.3661, 0.2927, 0.3057

Triad

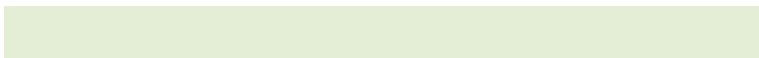
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3661, 0.2863, 0.3112



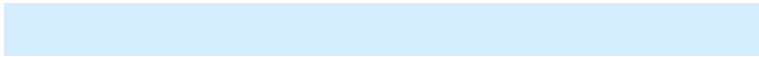
82.3661, 0.3315, 0.3231



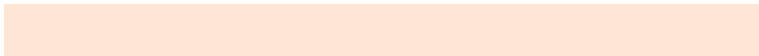
82.3661, 0.3206, 0.3530

Complementary

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



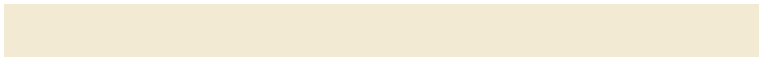
82.3661, 0.2863, 0.3112



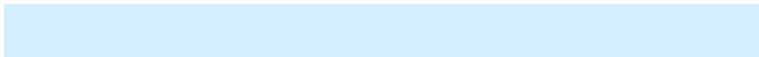
82.0418, 0.3423, 0.3461

Split Complementary

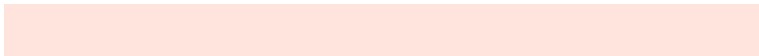
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3661, 0.3329, 0.3528



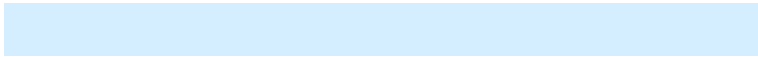
82.3661, 0.2863, 0.3112



82.3661, 0.3393, 0.3353

Square

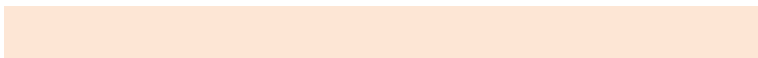
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



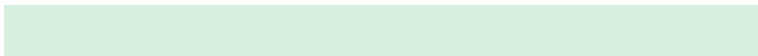
82.3661, 0.2863, 0.3112



82.3661, 0.3187, 0.3126



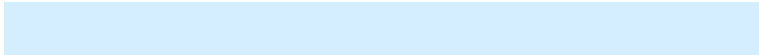
82.3661, 0.3398, 0.3462



82.3661, 0.3064, 0.3463

Rectangle

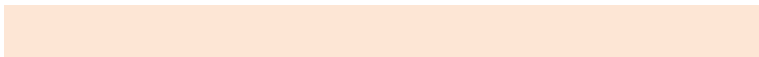
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3661, 0.2863, 0.3112



82.3661, 0.3001, 0.3054



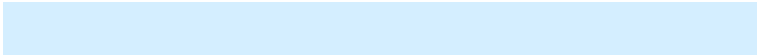
82.3661, 0.3398, 0.3462



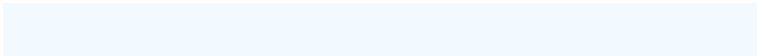
82.3661, 0.3251, 0.3537

Sweetspot

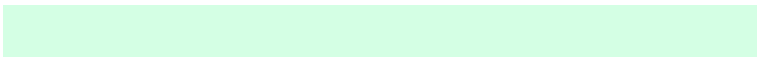
The Sweet Spot groups the original color and five complimentary colors.



82.3680, 0.2863, 0.3112



94.4894, 0.3050, 0.3241



91.1433, 0.3014, 0.3569



20.0630, 0.3039, 0.3233



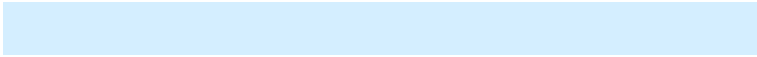
0.0000, 0.0000, 0.0000



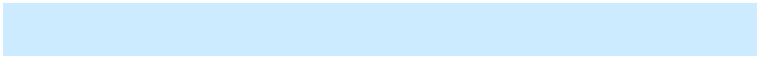
21.4041, 0.3127, 0.3290

Same Dimension

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



82.3680, 0.2863, 0.3112



79.3880, 0.2813, 0.3076



70.8445, 0.2852, 0.2886



19.2062, 0.2979, 0.3194



16.1913, 0.1872, 0.1938



1.7898, 0.1919, 0.2108

Inverse Universe

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



74.5147, 0.3264, 0.3032



70.4352, 0.3294, 0.2982



94.3729, 0.3389, 0.3664



18.1717, 0.3199, 0.3147



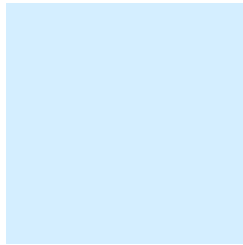
12.3625, 0.4524, 0.2266



1.2252, 0.4333, 0.2161

Previews

White Background



This preview shows how the Yxy color 82.3661, 0.2863, 0.3112 looks on a white background.

Color Contrast Check

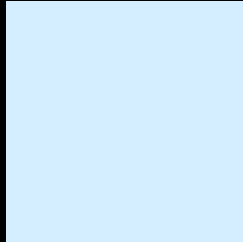
Large Text (above 18pt) WCAG AA × Fail

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 82.3661, 0.2863, 0.3112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

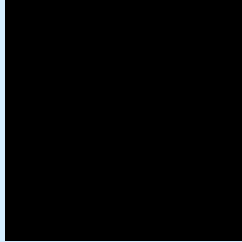
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

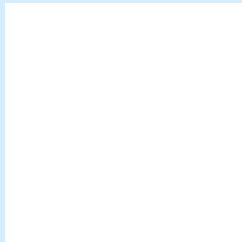
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3661, 0.2863, 0.3112

Background



This preview shows how black text looks on a background with the Yxy color 82.3661, 0.2863, 0.3112.



This preview shows how white text looks on a background with the Yxy color 82.3661, 0.2863, 0.3112.

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

82.3661, 0.2863, 0.3112

Protanopia

82.0019, 0.3017, 0.3097

Deuteranopia

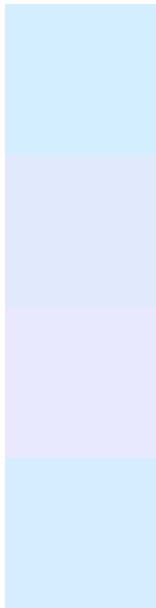
82.1193, 0.3072, 0.3023



Tritanopia

82.0845, 0.2875, 0.3102

Trichromacy



Original Color

82.3661, 0.2863, 0.3112

Protanomaly

81.8815, 0.2959, 0.3105

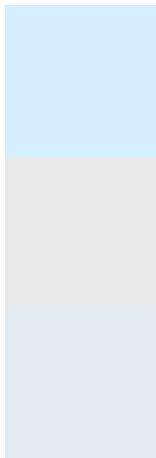
Deuteranomaly

82.2569, 0.2993, 0.3058

Tritanomaly

81.9345, 0.2869, 0.3102

Monochromacy



Original Color

82.3661, 0.2863, 0.3112

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.1445, 0.3031, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3661, 0.2863, 0.3112 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(212, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.3661, 0.2863, 0.3112 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(212, 238, 255) }
```

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

```
.border{ border-color:rgb(212, 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(212, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3661, 0.2863, 0.3112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 238, 255) }
```

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

```
.background{ background-color: rgb(212,  
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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