

Converting Colors

Yxy(82.7964, 0.2878, 0.3117)

Have a look what the booklet for
Yxy(82.7964, 0.2878, 0.3117)
contains.

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Color

Yxy(82.6652, 0.2875, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	D6EEFF
RGB	214, 238, 255
RGB Percent	84%, 93%, 100%
CMY	0.1610, 0.0666, 0.0000
CMYK	0.16, 0.07, 0.00, 0.00
HSL	205°, 100%, 92%
HSV	205°, 16%, 100%
XYZ	76.3451, 82.6652, 106.5380
YIQ	232.7620, -19.7610, 0.1990

Conversions

Conversions Part 2

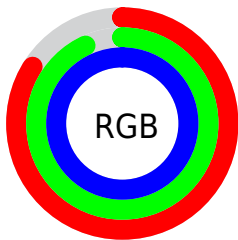
Format	Color
R _Y B	214, 229, 255
Decimal	14085887
CIE Lab	92.87, -4.47, -10.85
CIE LCh	93, 11.737, 247.596
Yxy	82.6652, 0.2875, 0.3113
Android (android.graphics.Color)	4292275967 (0xFFD6EEFF)
YUV	232.7620, 10.9633, -16.4543
Hunter-Lab	90.9204, -9.2257, -5.8301

Details

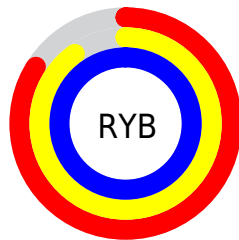
The Yxy color **82.6652, 0.2875, 0.3113** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.2278, 0.3407, 0.3461**, and the grayscale version is **81.2209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9040, 0.2822, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **73.1637, 0.2715, 0.2988**, and if you desaturate by 10%, it is **93.1341, 0.3033, 0.3227**.

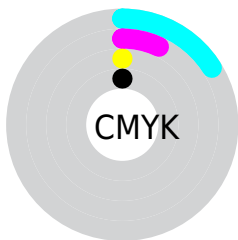
Distribution



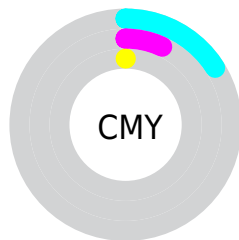
- Red (84%)
- Green (93%)
- Blue (100%)



- Red (84%)
- Yellow (90%)
- Blue (100%)



- Cyan (16%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6652, 0.2875, 0.3113 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 82.6652, 0.2875, 0.3113 by changing the saturation by 10% instead.

82.6652, 0.2875,
0.3113

82.6652, 0.2875,
0.3113

503.8700, 0.2988,
0.3194

61.9140, 0.2850,
0.3095

137.1064, 0.2914,
0.3141

44.9632, 0.2819,
0.3073

171.5653, 0.2929,
0.3152

31.4284, 0.2781,
0.3045

211.3621, 0.2942,
0.3161

20.9253, 0.2732,
0.3009

256.8813, 0.2954,
0.3169

13.0694, 0.2668,
0.2961

308.5073, 0.2964,
0.3176

7.4764, 0.2578,
0.2893

366.6245, 0.2973,

3.7618, 0.2445,

0.3183

0.2790

431.6173, 0.2981,
0.3189

■ 1.5412, 0.2230,
0.2618

■ 0.3175, 0.1188,
0.1958

■ 82.6652, 0.2875,
0.3113

■ 82.6652, 0.2875,
0.3113

■ 73.1637, 0.2715,
0.2988

■ 93.1341, 0.3033,
0.3227

■ 64.5853, 0.2557,
0.2851

100.0000, 0.3127,
0.3290

■ 56.8972, 0.2405,
0.2704

■ 50.0600, 0.2262,
0.2549

■ 44.0308, 0.2133,
0.2388

■ 38.7615, 0.2023,
0.2225

■ 34.1971, 0.1934,
0.2063

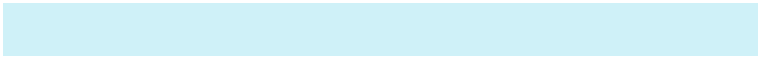
■ 30.2702, 0.1868,
0.1906

■ 28.8741, 0.1846,
0.1846

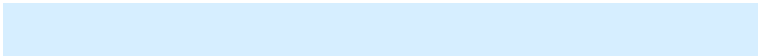
Harmonies

Analogous

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



82.6652, 0.2875, 0.3212



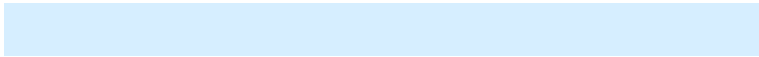
82.6652, 0.2875, 0.3113



82.6652, 0.2941, 0.3064

Triad

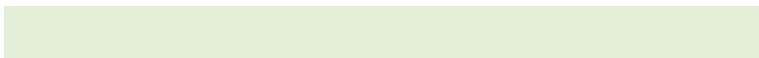
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6652, 0.2875, 0.3113



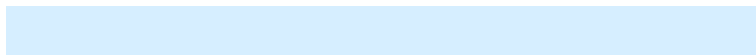
82.6652, 0.3316, 0.3242



82.6652, 0.3193, 0.3518

Complementary

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



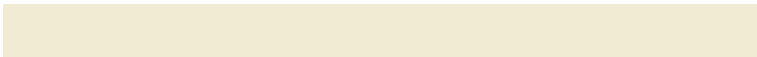
82.6652, 0.2875, 0.3113



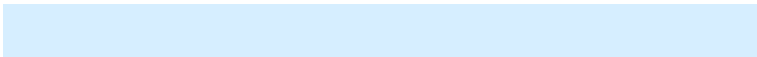
83.2278, 0.3407, 0.3461

Split Complementary

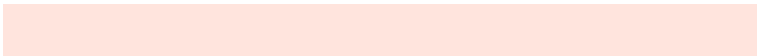
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6652, 0.3314, 0.3521



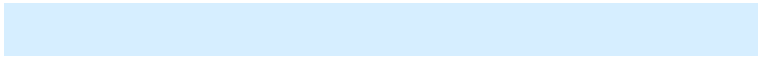
82.6652, 0.2875, 0.3113



82.6652, 0.3386, 0.3359

Square

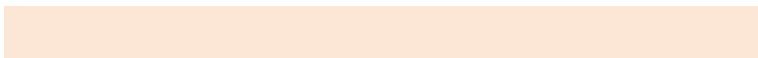
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



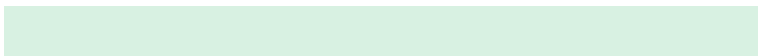
82.6652, 0.2875, 0.3113



82.6652, 0.3195, 0.3138



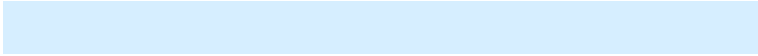
82.6652, 0.3385, 0.3462



82.6652, 0.3057, 0.3450

Rectangle

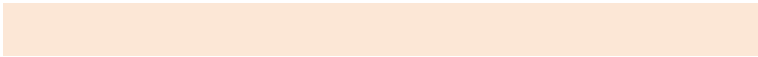
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6652, 0.2875, 0.3113



82.6652, 0.3014, 0.3064



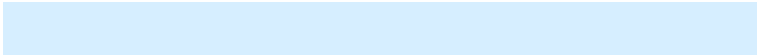
82.6652, 0.3385, 0.3462



82.6652, 0.3237, 0.3527

Sweetspot

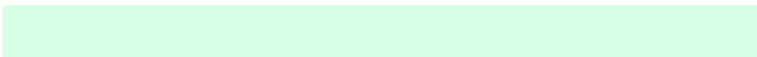
The Sweet Spot groups the original color and five complimentary colors.



82.6686, 0.2875, 0.3113



94.3420, 0.3050, 0.3238



91.5428, 0.3015, 0.3547



20.0272, 0.3039, 0.3231



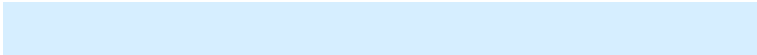
0.0000, 0.0000, 0.0000



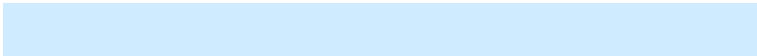
21.4041, 0.3127, 0.3290

Same Dimension

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



82.6686, 0.2875, 0.3113



79.8119, 0.2829, 0.3078



71.6819, 0.2866, 0.2899



19.1477, 0.2979, 0.3189



15.3890, 0.1853, 0.1871



1.7140, 0.1903, 0.2049

Inverse Universe

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



75.5035, 0.3262, 0.3051



71.6635, 0.3291, 0.3007



95.0411, 0.3376, 0.3653



18.1658, 0.3202, 0.3152



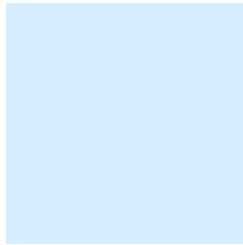
12.2815, 0.4601, 0.2308



1.2176, 0.4398, 0.2196

Previews

White Background



This preview shows how the Yxy color 82.6652, 0.2875, 0.3113 looks on a white background.

Color Contrast Check

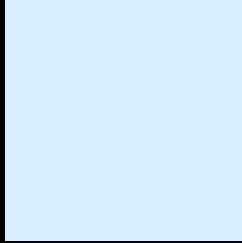
Large Text (above 18pt) WCAG AA × Fail

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 82.6652, 0.2875, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

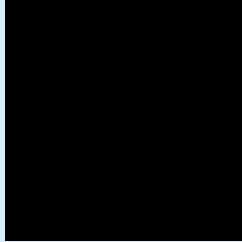
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

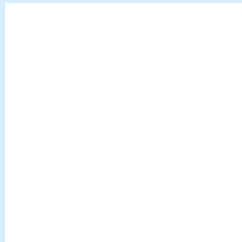
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6652, 0.2875, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 82.6652, 0.2875, 0.3113.



This preview shows how white text looks on a background with the Yxy color 82.6652, 0.2875, 0.3113.

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

82.6652, 0.2875, 0.3113

Protanopia

82.6297, 0.3011, 0.3098

Deuteranopia

82.1193, 0.3072, 0.3023



Tritanopia

82.3873, 0.2887, 0.3103

Trichromacy



Original Color

82.6652, 0.2875, 0.3113

Protanomaly

82.6773, 0.2960, 0.3106

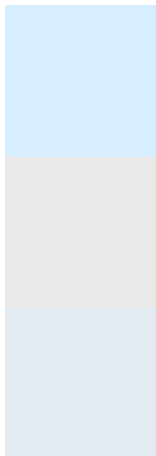
Deuteranomaly

82.4257, 0.2999, 0.3058

Tritanomaly

82.2354, 0.2881, 0.3103

Monochromacy



Original Color

82.6652, 0.2875, 0.3113

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.9363, 0.3031, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6652, 0.2875, 0.3113 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(214, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.6652, 0.2875, 0.3113 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(214, 238, 255) }
```

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

```
.border{ border-color:rgb(214, 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(214, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6652, 0.2875, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 238, 255) }
```

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

```
.background{ background-color: rgb(214,  
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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