

Converting Colors

$Yxy(86.2579, 0.2656, 0.2700)$

Have a look what the booklet for
Yxy(86.2579, 0.2656, 0.2700)
contains.

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Color

Yxy(82.9680, 0.2887, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	D8EEFF
RGB	216, 238, 255
RGB Percent	85%, 93%, 100%
CMY	0.1530, 0.0666, 0.0000
CMYK	0.15, 0.07, 0.00, 0.00
HSL	206°, 100%, 92%
HSV	206°, 15%, 100%
XYZ	76.9446, 82.9680, 106.6084
YIQ	233.3600, -18.5690, 0.6230

Conversions

Conversions Part 2

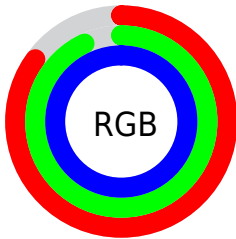
Format	Color
R _Y B	216, 230, 255
Decimal	14216959
CIE Lab	93.00, -3.83, -10.67
CIE LCh	93, 11.333, 250.236
Yxy	82.9680, 0.2887, 0.3113
Android (android.graphics.Color)	4292407039 (0xFFD8EEFF)
YUV	233.3600, 10.6685, -15.2247
Hunter-Lab	91.0868, -8.6158, -5.6326

Details

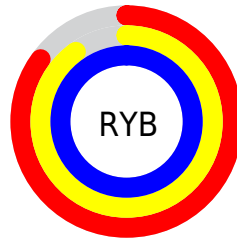
The Yxy color **82.9680, 0.2887, 0.3113** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4794, 0.3390, 0.3460**, and the grayscale version is **81.6963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1102, 0.2838, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **73.1125, 0.2727, 0.2982**, and if you desaturate by 10%, it is **93.8254, 0.3045, 0.3232**.

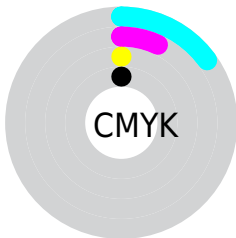
Distribution



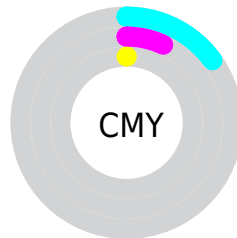
- Red (85%)
- Green (93%)
- Blue (100%)



- Red (85%)
- Yellow (90%)
- Blue (100%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9680, 0.2887, 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 82.9680, 0.2887, 0.3113 by changing the saturation by 10% instead.

82.9680, 0.2887,
0.3113

82.9680, 0.2887,
0.3113

504.8799, 0.2995,
0.3194

62.1638, 0.2863,
0.3095

137.5306, 0.2924,
0.3141

45.1650, 0.2834,
0.3073

172.0578, 0.2938,
0.3151

31.5874, 0.2798,
0.3045

211.9281, 0.2951,
0.3161

21.0466, 0.2751,
0.3009

257.5259, 0.2962,
0.3169

13.1580, 0.2690,
0.2962

309.2356, 0.2972,
0.3176

7.5375, 0.2604,
0.2894

367.4415, 0.2980,

3.8004, 0.2477,

0.3183

0.2793

432.5282, 0.2988,
0.3188

■ 1.5626, 0.2272,
0.2624

■ 0.3322, 0.1331,
0.1990

■ 82.9680, 0.2887,
0.3113

■ 82.9680, 0.2887,
0.3113

■ 73.1125, 0.2727,
0.2982

■ 93.8254, 0.3045,
0.3232

■ 64.2236, 0.2567,
0.2839

100.0000, 0.3127,
0.3290

■ 56.2643, 0.2411,
0.2684

■ 49.1944, 0.2264,
0.2521

■ 42.9701, 0.2131,
0.2351

■ 37.5427, 0.2016,
0.2179

■ 32.8564, 0.1922,
0.2008

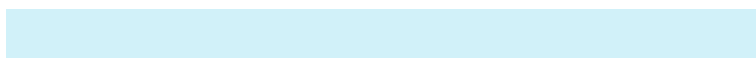
■ 28.8439, 0.1852,
0.1843

■ 27.1496, 0.1825,
0.1768

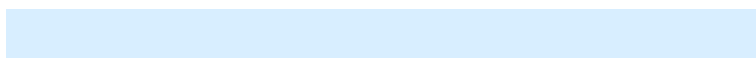
Harmonies

Analogous

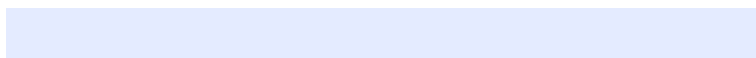
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9680, 0.2881, 0.3205



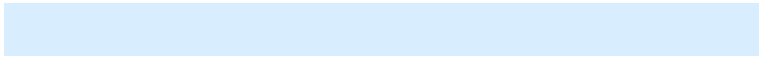
82.9680, 0.2887, 0.3113



82.9680, 0.2956, 0.3070

Triad

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



82.9680, 0.2887, 0.3113



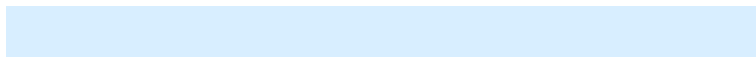
82.9680, 0.3317, 0.3253



82.9680, 0.3179, 0.3506

Complementary

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



82.9680, 0.2887, 0.3113



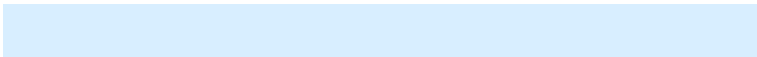
84.4794, 0.3390, 0.3460

Split Complementary

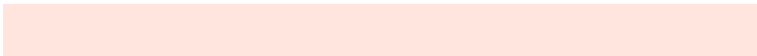
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9680, 0.3299, 0.3515



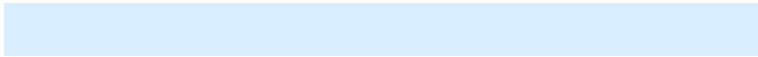
82.9680, 0.2887, 0.3113



82.9680, 0.3380, 0.3367

Square

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



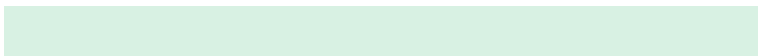
82.9680, 0.2887, 0.3113



82.9680, 0.3204, 0.3151



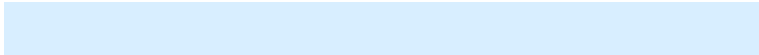
82.9680, 0.3373, 0.3463



82.9680, 0.3048, 0.3436

Rectangle

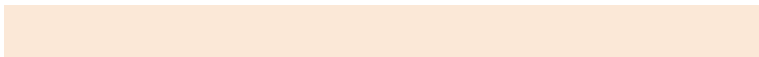
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9680, 0.2887, 0.3113



82.9680, 0.3029, 0.3074



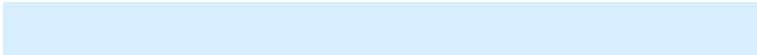
82.9680, 0.3373, 0.3463



82.9680, 0.3222, 0.3517

Sweetspot

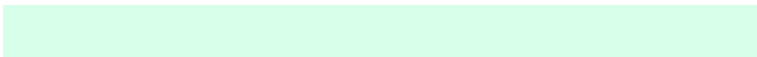
The Sweet Spot groups the original color and five complimentary colors.



82.9682, 0.2887, 0.3114



94.1697, 0.3050, 0.3236



91.9925, 0.3014, 0.3520



19.9853, 0.3039, 0.3228



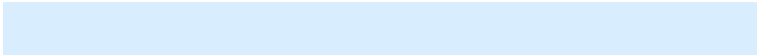
0.0000, 0.0000, 0.0000



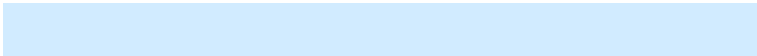
21.4041, 0.3127, 0.3290

Same Dimension

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



82.9682, 0.2887, 0.3114



80.2123, 0.2844, 0.3079



72.2600, 0.2879, 0.2906



19.0794, 0.2979, 0.3184



14.4889, 0.1832, 0.1795



1.6282, 0.1883, 0.1980

Inverse Universe

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



76.5343, 0.3260, 0.3072



72.9087, 0.3288, 0.3032



96.0882, 0.3361, 0.3647



18.1589, 0.3205, 0.3157



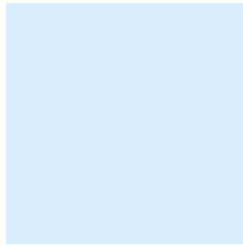
12.1906, 0.4692, 0.2358



1.2089, 0.4475, 0.2239

Previews

White Background



This preview shows how the Yxy color 82.9680, 0.2887, 0.3113 looks on a white background.

Color Contrast Check

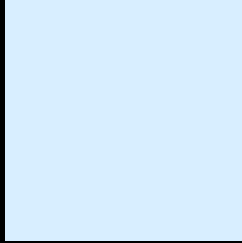
Large Text (above 18pt) WCAG AA × Fail

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 82.9680, 0.2887, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

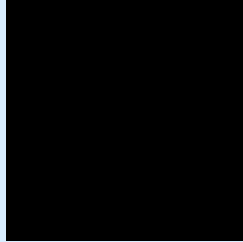
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

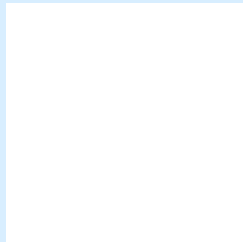
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9680, 0.2887, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 82.9680, 0.2887, 0.3113.



This preview shows how white text looks on a background with the Yxy color 82.9680, 0.2887, 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

82.9680, 0.2887, 0.3113

Protanopia

82.7985, 0.3017, 0.3098

Deuteranopia

82.8515, 0.3079, 0.3034



Tritanopia

82.6938, 0.2899, 0.3104

Trichromacy



Original Color

82.9680, 0.2887, 0.3113

Protanomaly

82.8394, 0.2966, 0.3106

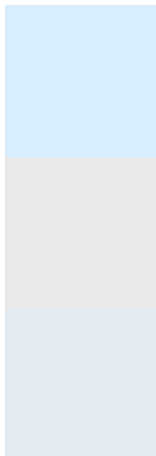
Deuteranomaly

82.5954, 0.3006, 0.3059

Tritanomaly

82.5401, 0.2893, 0.3103

Monochromacy



Original Color

82.9680, 0.2887, 0.3113

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.0984, 0.3038, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9680, 0.2887, 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(216, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.9680, 0.2887, 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(216, 238, 255) }
```

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

```
.border{ border-color:rgb(216, 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(216, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9680, 0.2887, 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(216, 238, 255) }
```

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

```
.background{ background-color: rgb(216,  
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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