

Converting Colors

$Y_{xy}(82.8278, 0.2938, 0.3190)$

Have a look what the booklet for
Yxy(82.8278, 0.2938, 0.3190)
contains.

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Color

Yxy(82.8318, 0.2939, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	DAEEF8
RGB	218, 238, 248
RGB Percent	85%, 93%, 97%
CMY	0.1451, 0.0667, 0.0273
CMYK	0.12, 0.04, 0.00, 0.03
HSL	200°, 68%, 91%
HSV	200°, 12%, 97%
XYZ	76.4341, 82.8318, 100.8025
YIQ	233.1600, -15.1300, -1.1300

Conversions

Conversions Part 2

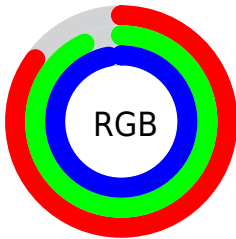
Format	Color
R _Y B	218, 230, 248
Decimal	14348024
CIE Lab	92.94, -4.61, -7.10
CIE LCh	93, 8.461, 237.002
Yxy	82.8318, 0.2939, 0.3185
Android (android.graphics.Color)	4292538104 (0xFFDAEEF8)
YUV	233.1600, 7.3161, -13.2953
Hunter-Lab	91.0120, -9.3622, -1.9597

Details

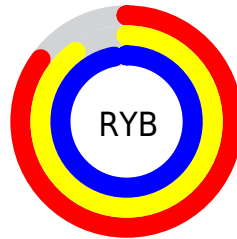
The Yxy color **82.8318, 0.2939, 0.3185** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.5310, 0.3334, 0.3393**, and the grayscale version is **81.5672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0482, 0.2896, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **74.5776, 0.2783, 0.3088**, and if you desaturate by 10%, it is **91.8873, 0.3095, 0.3273**.

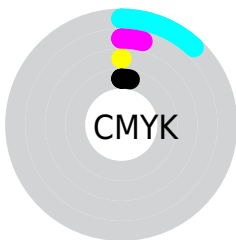
Distribution



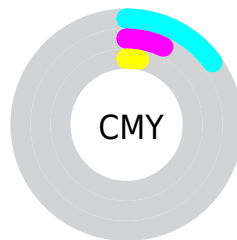
- Red (85%)
- Green (93%)
- Blue (97%)



- Red (85%)
- Yellow (90%)
- Blue (97%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (15%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8318, 0.2939, 0.3185 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 82.8318, 0.2939, 0.3185 by changing the saturation by 10% instead.

82.8318, 0.2939,
0.3185

82.8318, 0.2939,
0.3185

504.4258, 0.3024,
0.3233

62.0514, 0.2920,
0.3174

137.3399, 0.2968,
0.3202

45.0742, 0.2897,
0.3161

171.8363, 0.2979,
0.3208

31.5159, 0.2869,
0.3144

211.6736, 0.2989,
0.3214

20.9920, 0.2832,
0.3122

257.2360, 0.2998,
0.3218

13.1182, 0.2783,
0.3093

308.9081, 0.3005,
0.3223

7.5100, 0.2715,
0.3052

367.0741, 0.3012,

3.7830, 0.2613,

0.3227

0.2989

432.1186, 0.3018,
0.3230

■ 1.5529, 0.2446,
0.2881

■ 0.3256, 0.1434,
0.2371

■ 82.8318, 0.2939,
0.3185

■ 82.8318, 0.2939,
0.3185

■ 74.5776, 0.2783,
0.3088

■ 91.8873, 0.3095,
0.3273

■ 67.0861, 0.2630,
0.2983

■ 99.2919, 0.3168,
0.3352

■ 60.3305, 0.2483,
0.2869

■ 99.5602, 0.3167,
0.3356

■ 54.2780, 0.2346,
0.2749

■ 48.8932, 0.2222,
0.2623

■ 44.1362, 0.2116,
0.2494

■ 39.9617, 0.2031,
0.2364

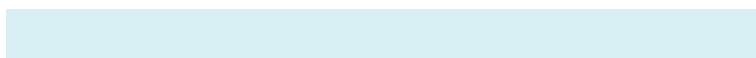
■ 36.3157, 0.1966,
0.2236

■ 33.7510, 0.1927,
0.2137

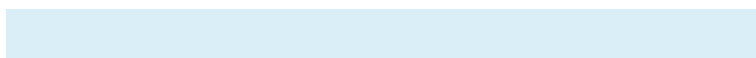
Harmonies

Analogous

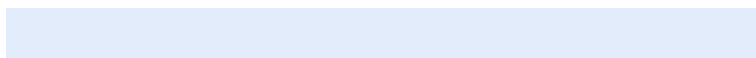
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8318, 0.2957, 0.3265



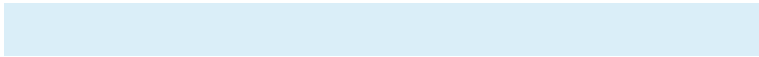
82.8318, 0.2939, 0.3185



82.8318, 0.2971, 0.3135

Triad

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



82.8318, 0.2939, 0.3185



82.8318, 0.3235, 0.3227



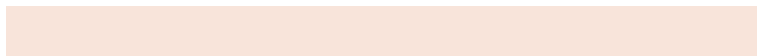
82.8318, 0.3208, 0.3460

Complementary

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



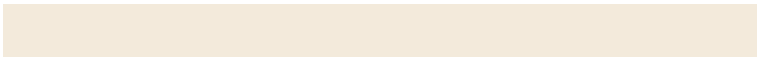
82.8318, 0.2939, 0.3185



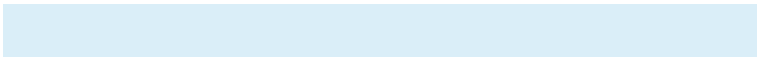
80.5310, 0.3334, 0.3393

Split Complementary

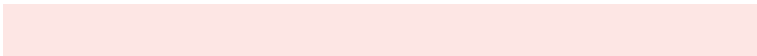
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8318, 0.3285, 0.3446



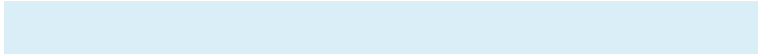
82.8318, 0.2939, 0.3185



82.8318, 0.3301, 0.3311

Square

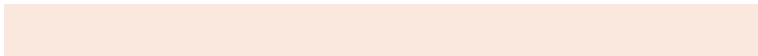
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



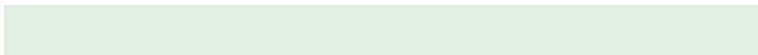
82.8318, 0.2939, 0.3185



82.8318, 0.3141, 0.3159



82.8318, 0.3319, 0.3391



82.8318, 0.3111, 0.3426

Rectangle

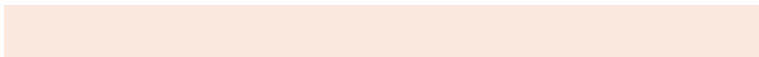
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8318, 0.2939, 0.3185



82.8318, 0.3016, 0.3124



82.8318, 0.3319, 0.3391



82.8318, 0.3238, 0.3461

Sweetspot

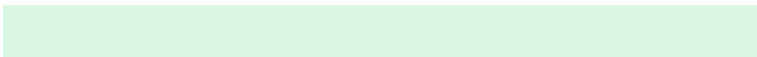
The Sweet Spot groups the original color and five complimentary colors.



82.8353, 0.2939, 0.3185



95.9613, 0.3065, 0.3257



87.6688, 0.3054, 0.3500



20.3804, 0.3054, 0.3250



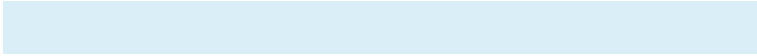
0.0000, 0.0000, 0.0000



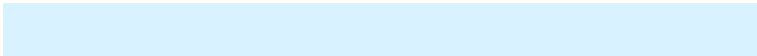
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8353, 0.2939, 0.3185



85.5686, 0.2894, 0.3158



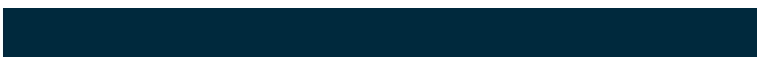
74.4592, 0.2936, 0.3025



18.5742, 0.2980, 0.3209



18.4937, 0.1933, 0.2157



1.9078, 0.1975, 0.2308

Inverse Universe

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



76.2759, 0.3208, 0.3089



77.1809, 0.3231, 0.3039



89.1494, 0.3315, 0.3542



17.4202, 0.3189, 0.3133



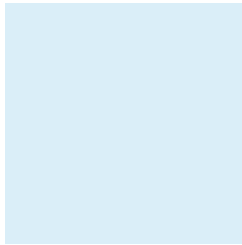
12.2778, 0.4279, 0.2131



1.1568, 0.4118, 0.2042

Previews

White Background



This preview shows how the Yxy color 82.8318, 0.2939, 0.3185 looks on a white background.

Color Contrast Check

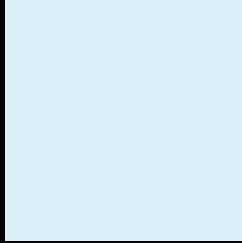
Large Text (above 18pt) WCAG AA × Fail

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 82.8318, 0.2939, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

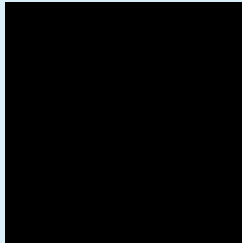
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

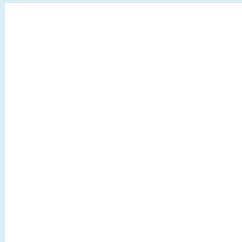
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8318, 0.2939, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 82.8318, 0.2939, 0.3185.

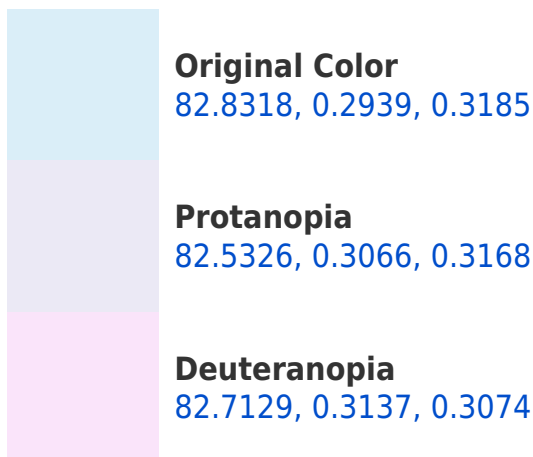


This preview shows how white text looks on a background with the Yxy color 82.8318, 0.2939, 0.3185.

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

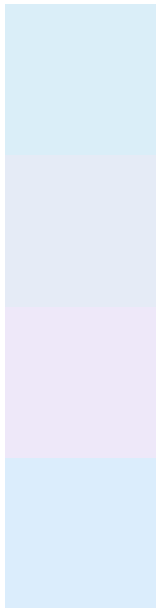




Tritanopia

83.0040, 0.2912, 0.3104

Trichromacy



Original Color

82.8318, 0.2939, 0.3185

Protanomaly

82.7285, 0.3021, 0.3177

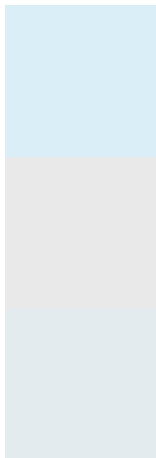
Deuteranomaly

82.7299, 0.3062, 0.3119

Tritanomaly

82.6567, 0.2922, 0.3134

Monochromacy



Original Color

82.8318, 0.2939, 0.3185

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.0837, 0.3062, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8318, 0.2939, 0.3185 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(218, 238, 248)` looks like.

```
.text, #text, p{  
    color:rgb(218, 238, 248)  
}
```

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(218, 238, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 238, 248) }
```

Border

The CSS property to change the border of an element to Yxy 82.8318, 0.2939, 0.3185 is called "border". The border property can be set on classes, ids or directly on the HTML element.

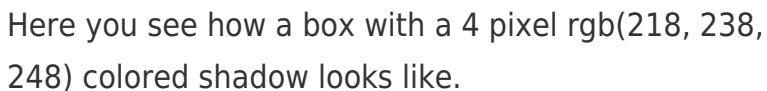
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 238, 248) }
```

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

```
.border{ border-color:rgb(218, 238, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 238, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 238, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 238, 248); box-shadow:4px 4px 4px 4px rgb(218, 238, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8318, 0.2939, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 238, 248) }
```

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

```
.background{ background-color: rgb(218,  
238, 248) }
```

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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