

Converting Colors

$Yxy(82.6173, 0.2984, 0.3270)$

Have a look what the booklet for
Yxy(82.6173, 0.2984, 0.3270)
contains.

Yxy(82.3458, 0.2986, 0.3269)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.3458, 0.2986, 0.3269)

Conversions

Conversions Part 1

Format	Color
Hex	DAEEF0
RGB	218, 238, 240
RGB Percent	85%, 93%, 94%
CMY	0.1450, 0.0667, 0.0590
CMYK	0.09, 0.01, 0.00, 0.06
HSL	185°, 42%, 90%
HSV	185°, 9%, 94%
XYZ	75.2171, 82.3458, 94.3362
YIQ	232.2480, -12.5620, -3.6180

Conversions

Conversions Part 2

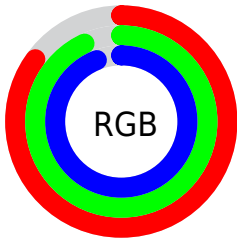
Format	Color
R _Y B	218, 228, 240
Decimal	14348016
CIE Lab	92.73, -6.17, -3.20
CIE LCh	93, 6.951, 207.443
Yxy	82.3458, 0.2986, 0.3269
Android (android.graphics.Color)	4292538096 (0xFFDAEEF0)
YUV	232.2480, 3.8217, -12.4955
Hunter-Lab	90.7446, -10.8466, 1.8846

Details

The Yxy color $82.3458, 0.2986, 0.3269$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $74.7609, 0.3285, 0.3311$, and the grayscale version is $80.8729, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $44.7031, 0.2954, 0.3262$ is the 20% darker color. If you saturate the color by 10%, you get $77.6730, 0.2837, 0.3244$, and if you desaturate by 10%, it is $87.5760, 0.3141, 0.3292$.

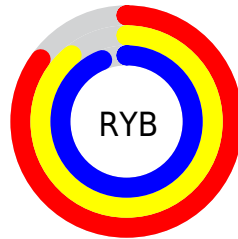
Distribution



Red (85%)

Green (93%)

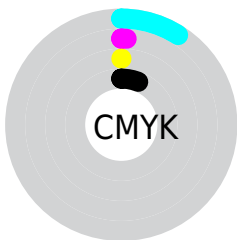
Blue (94%)



Red (85%)

Yellow (89%)

Blue (94%)

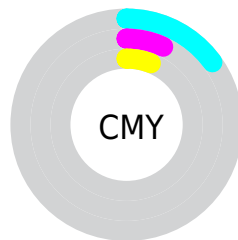


Cyan (9%)

Magenta (1%)

Yellow (0%)

Black (6%)



Cyan (15%)

Magenta (7%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3458, 0.2986, 0.3269 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 82.3458, 0.2986, 0.3269 by changing the saturation by 10% instead.

■ 82.3458, 0.2986,
0.3269

■ 82.3458, 0.2986,
0.3269

502.8036, 0.3050,
0.3279

■ 61.6506, 0.2972,
0.3267

136.6588, 0.3008,
0.3272

■ 44.7504, 0.2954,
0.3264

171.0455, 0.3016,
0.3274

■ 31.2609, 0.2933,
0.3260

210.7647, 0.3024,
0.3275

■ 20.7976, 0.2905,
0.3255

256.2009, 0.3030,
0.3276

■ 12.9761, 0.2868,
0.3249

307.7385, 0.3036,
0.3277

■ 7.4121, 0.2815,
0.3239

365.7619, 0.3041,

■ 3.7211, 0.2737,

0.3278

0.3224

430.6555, 0.3046,
0.3278

■ 1.5188, 0.2606,
0.3195

■ 0.3019, 0.1376,
0.3047

■ 82.3458, 0.2986,
0.3269

■ 82.3458, 0.2986,
0.3269

■ 77.6730, 0.2837,
0.3244

■ 87.5760, 0.3141,
0.3292

■ 73.5241, 0.2698,
0.3217

■ 91.2243, 0.3225,
0.3313

■ 69.8782, 0.2570,
0.3189

■ 92.5091, 0.3223,
0.3334

■ 66.7084, 0.2458,
0.3159

■ 93.8089, 0.3221,
0.3354

63.9857, 0.2362,
0.3129

95.1238, 0.3220,
0.3375

61.6777, 0.2286,
0.3098

96.4537, 0.3218,
0.3395

59.7472, 0.2229,
0.3067

97.7988, 0.3216,
0.3416

58.1504, 0.2191,
0.3036

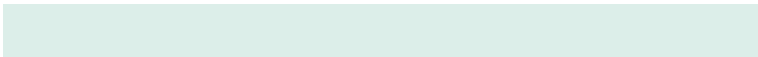
99.0689, 0.3215,
0.3435

56.8202, 0.2169,
0.3006

Harmonies

Analogous

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



82.3458, 0.3037, 0.3342



82.3458, 0.2986, 0.3269



82.3458, 0.2972, 0.3203

Triad

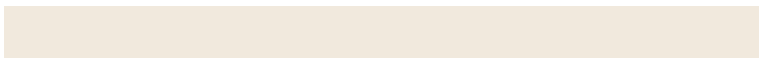
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3458, 0.2986, 0.3269



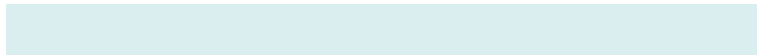
82.3458, 0.3140, 0.3183



82.3458, 0.3256, 0.3419

Complementary

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



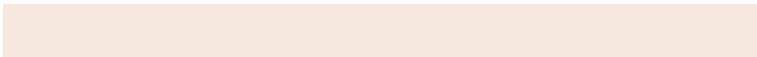
82.3458, 0.2986, 0.3269



74.7609, 0.3285, 0.3311

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.



82.3458, 0.3285, 0.3375



82.3458, 0.2986, 0.3269



82.3458, 0.3217, 0.3239

Square

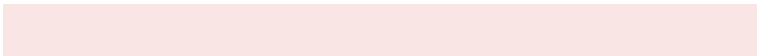
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3458, 0.2986, 0.3269



82.3458, 0.3060, 0.3155



82.3458, 0.3271, 0.3309



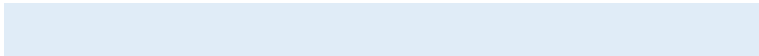
82.3458, 0.3193, 0.3429

Rectangle

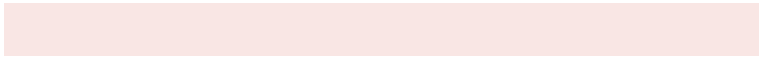
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



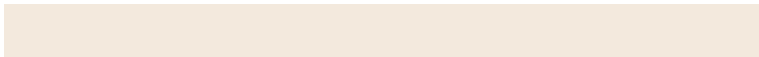
82.3458, 0.2986, 0.3269



82.3458, 0.2986, 0.3172



82.3458, 0.3271, 0.3309



82.3458, 0.3270, 0.3408

Sweetspot

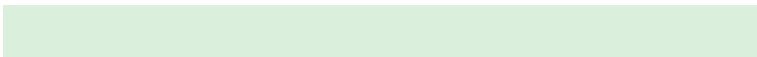
The Sweet Spot groups the original color and five complimentary colors.



82.3493, 0.2986, 0.3269



98.1429, 0.3080, 0.3283



82.3665, 0.3105, 0.3505



20.9025, 0.3068, 0.3281



0.0000, 0.0000, 0.0000



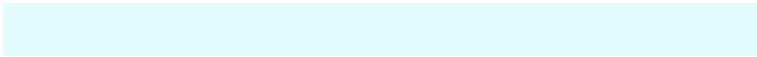
21.4041, 0.3127, 0.3290

Same Dimension

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



82.3493, 0.2986, 0.3269



93.4754, 0.2957, 0.3264



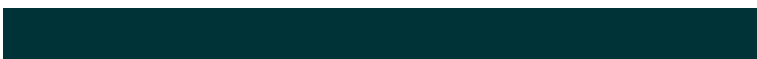
76.2280, 0.2985, 0.3154



17.6735, 0.2981, 0.3268



31.1578, 0.2169, 0.3008



2.6622, 0.2180, 0.3048

Inverse Universe

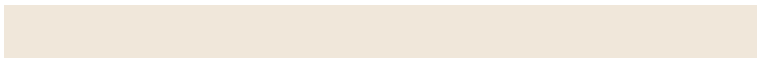
The Inverse Universe completely reimagines the original color for something new.



74.8489, 0.3151, 0.3085



83.2306, 0.3156, 0.3042



80.6341, 0.3273, 0.3423



16.0057, 0.3152, 0.3078



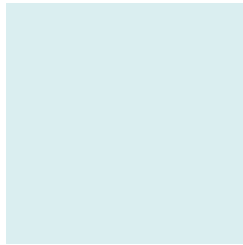
12.9388, 0.3447, 0.1673



1.0835, 0.3412, 0.1653

Previews

White Background



This preview shows how the Yxy color 82.3458, 0.2986, 0.3269 looks on a white background.

Color Contrast Check

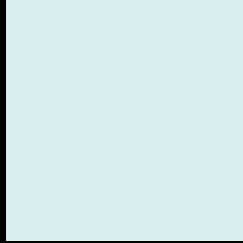
Large Text (above 18pt) WCAG AA × Fail

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 82.3458, 0.2986, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

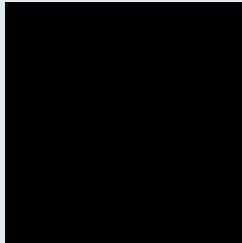
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

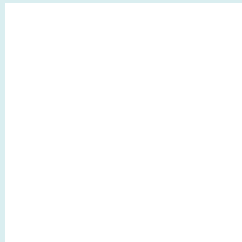
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3458, 0.2986, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 82.3458, 0.2986, 0.3269.

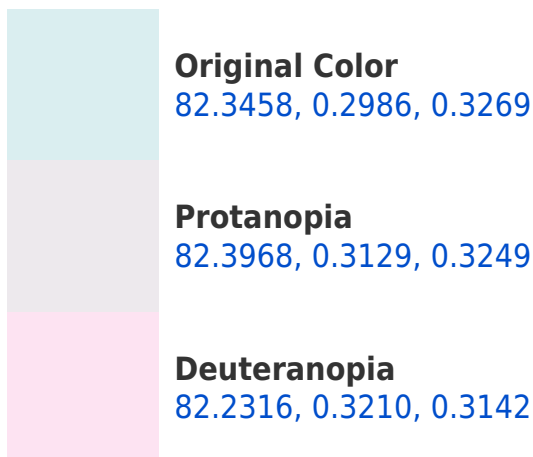


This preview shows how white text looks on a background with the Yxy color 82.3458, 0.2986, 0.3269.

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

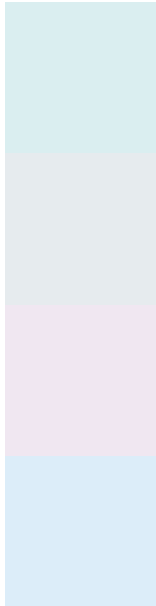




Tritanopia

82.5188, 0.2923, 0.3104

Trichromacy



Original Color

82.3458, 0.2986, 0.3269

Protanomaly

82.4127, 0.3075, 0.3259

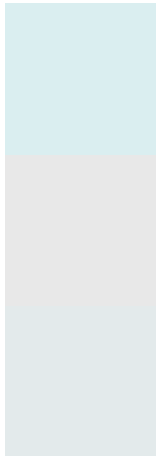
Deuteranomaly

82.0280, 0.3125, 0.3189

Tritanomaly

82.6236, 0.2946, 0.3165

Monochromacy



Original Color

82.3458, 0.2986, 0.3269

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.1747, 0.3074, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3458, 0.2986, 0.3269 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(218, 238, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 238, 240) }
```

Border

The CSS property to change the border of an element to Yxy 82.3458, 0.2986, 0.3269 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, 240) }
```

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

```
.border{ border-color:rgb(218, 238, 240) }
```

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, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 238, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 238, 240);  
box-shadow:4px 4px 4px 4px rgb(218, 238,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3458, 0.2986, 0.3269 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, 240) }
```

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

```
.background{ background-color: rgb(218,  
238, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor