

# Converting Colors

$Yxy(82.8025, 0.2958, 0.3200)$

Have a look what the booklet for  
Yxy(82.8025, 0.2958, 0.3200)  
contains.

<b>Yxy(82.8630, 0.2957, 0.3206)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(82.8630, 0.2957, 0.3206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBEEF6
RGB	219, 238, 246
RGB Percent	86%, 93%, 96%
CMY	0.1411, 0.0667, 0.0352
CMYK	0.11, 0.03, 0.00, 0.04
HSL	198°, 60%, 91%
HSV	198°, 11%, 96%
XYZ	76.4273, 82.8630, 99.1720
YIQ	233.2310, -13.8920, -1.5400

# Conversions

## Conversions Part 2

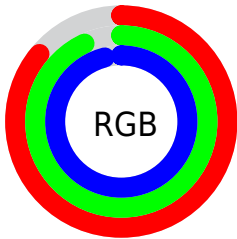
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 230, 246
Decimal	14413558
CIE <sub>Lab</sub>	92.95, -4.68, -6.02
CIE <sub>LCh</sub>	93, 7.622, 232.114
Y <sub>xy</sub>	82.8630, 0.2957, 0.3206
Android (android.graphics.Color)	4292603638 (0xFFDBEEF6)
Y <sub>UV</sub>	233.2310, 6.2951, -12.4806
Hunter-Lab	91.0291, -9.4338, -0.8733

# Details

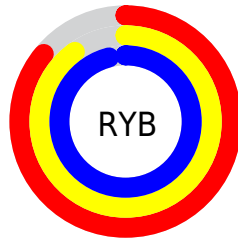
The Yxy color **82.8630, 0.2957, 0.3206** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.6690, 0.3314, 0.3373**, and the grayscale version is **81.6322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0661, 0.2918, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **75.1592, 0.2802, 0.3121**, and if you desaturate by 10%, it is **91.3104, 0.3112, 0.3283**.

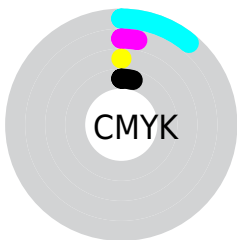
# Distribution



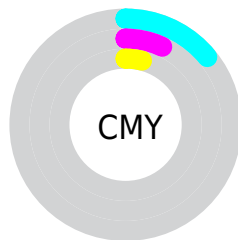
- Red (86%)
- Green (93%)
- Blue (96%)



- Red (86%)
- Yellow (90%)
- Blue (96%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (14%)
- Magenta (7%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8630, 0.2957, 0.3206 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 82.8630, 0.2957, 0.3206 by changing the saturation by 10% instead.



82.8630, 0.2957,  
0.3206

82.8630, 0.2957,  
0.3206

504.5298, 0.3034,  
0.3245

62.0771, 0.2940,  
0.3197

137.3836, 0.2983,  
0.3219

45.0950, 0.2919,  
0.3187

171.8871, 0.2993,  
0.3224

31.5323, 0.2893,  
0.3173

211.7319, 0.3002,  
0.3229

21.0045, 0.2860,  
0.3156

257.3024, 0.3010,  
0.3233

13.1273, 0.2815,  
0.3132

308.9831, 0.3017,  
0.3236

7.5163, 0.2753,  
0.3099

367.1583, 0.3023,

3.7870, 0.2661,

0.3239

0.3047

432.2124, 0.3029,  
0.3242

■ 1.5551, 0.2508,  
0.2959

■ 0.3271, 0.1512,  
0.2515

■ 82.8630, 0.2957,  
0.3206

■ 82.8630, 0.2957,  
0.3206

■ 75.1592, 0.2802,  
0.3121

■ 91.3104, 0.3112,  
0.3283

■ 68.1619, 0.2651,  
0.3029

■ 97.9226, 0.3181,  
0.3353

■ 61.8460, 0.2507,  
0.2929

■ 99.4352, 0.3179,  
0.3376

■ 56.1809, 0.2373,  
0.2824

■ 51.1327, 0.2253,  
0.2714

■ 46.6640, 0.2151,  
0.2601

■ 42.7323, 0.2068,  
0.2487

■ 39.2869, 0.2006,  
0.2373

■ 36.5243, 0.1965,  
0.2273

# Harmonies

## Analogous

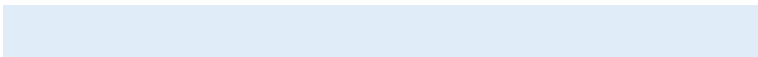
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8630, 0.2980, 0.3281



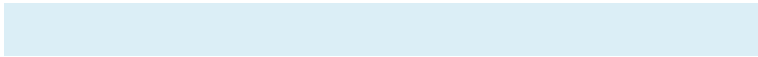
82.8630, 0.2957, 0.3206



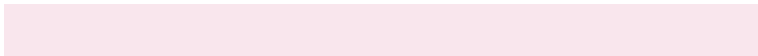
82.8630, 0.2979, 0.3155

# Triad

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



82.8630, 0.2957, 0.3206



82.8630, 0.3212, 0.3221



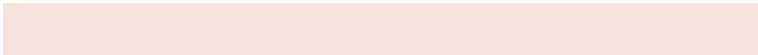
82.8630, 0.3214, 0.3444

# Complementary

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



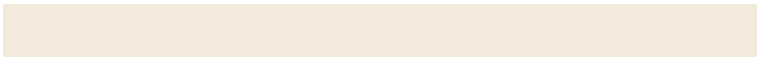
82.8630, 0.2957, 0.3206



79.6690, 0.3314, 0.3373

# Split Complementary

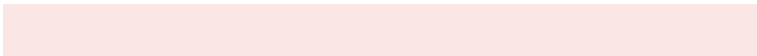
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8630, 0.3277, 0.3425



82.8630, 0.2957, 0.3206



82.8630, 0.3277, 0.3296

# Square

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



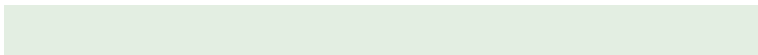
82.8630, 0.2957, 0.3206



82.8630, 0.3125, 0.3165



82.8630, 0.3301, 0.3371



82.8630, 0.3127, 0.3420



# Rectangle

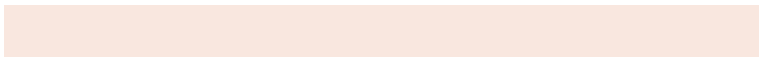
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



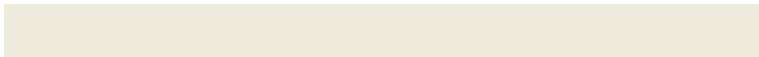
82.8630, 0.2957, 0.3206



82.8630, 0.3016, 0.3141



82.8630, 0.3301, 0.3371



82.8630, 0.3238, 0.3442

# Sweetspot

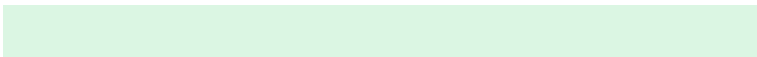
The Sweet Spot groups the original color and five complimentary colors.



82.8665, 0.2957, 0.3206



97.1367, 0.3081, 0.3268



86.5150, 0.3069, 0.3494



20.6302, 0.3068, 0.3262



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

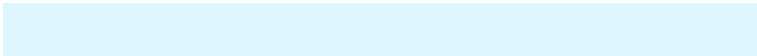


# Same Dimension

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



82.8665, 0.2957, 0.3206



88.1241, 0.2925, 0.3189



75.4941, 0.2955, 0.3067



17.8780, 0.2980, 0.3218



19.7472, 0.1970, 0.2291



1.9140, 0.2009, 0.2432



# Inverse Universe

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



76.4392, 0.3193, 0.3098



80.0249, 0.3207, 0.3062



87.1327, 0.3298, 0.3504



16.6795, 0.3184, 0.3125



12.0929, 0.4135, 0.2052

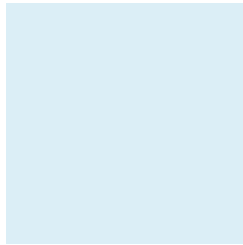


1.0809, 0.3991, 0.1972



# Previews

## White Background



This preview shows how the Yxy color 82.8630, 0.2957, 0.3206 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

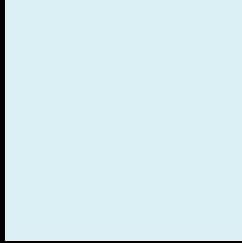
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8630, 0.2957, 0.3206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

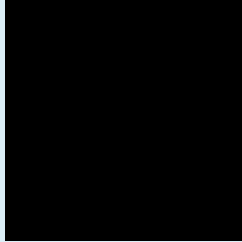
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

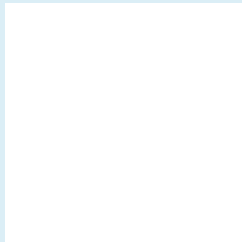
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.8630, 0.2957, 0.3206**

## Background



This preview shows how black text looks on a background with the Yxy color 82.8630, 0.2957, 0.3206.

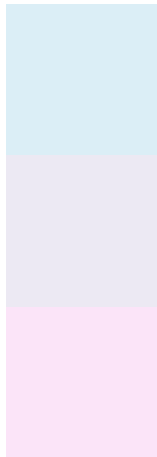


This preview shows how white text looks on a background with the Yxy color 82.8630, 0.2957, 0.3206.

# 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

82.8630, 0.2957, 0.3206

### Protanopia

82.5818, 0.3085, 0.3188

### Deuteranopia

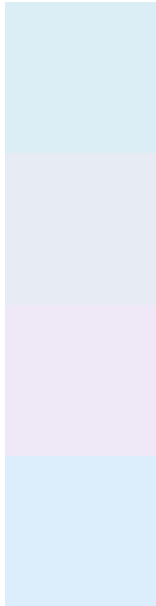
82.7733, 0.3157, 0.3093



## Tritanopia

83.1605, 0.2918, 0.3105

# Trichromacy



## Original Color

82.8630, 0.2957, 0.3206

## Protanomaly

82.7713, 0.3039, 0.3198

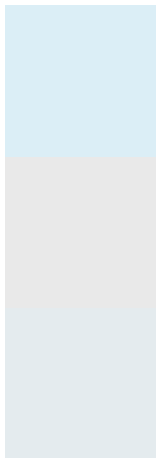
## Deuteranomaly

82.7793, 0.3081, 0.3139

## Tritanomaly

82.8123, 0.2929, 0.3135

# Monochromacy



## Original Color

82.8630, 0.2957, 0.3206

## 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 82.8630, 0.2957, 0.3206 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(219, 238, 246)` looks like.

```
.text, #text, p{  
    color:rgb(219, 238, 246)  
}
```

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(219, 238, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 238, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8630, 0.2957, 0.3206 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(219, 238, 246) }
```

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

```
.border{ border-color:rgb(219, 238, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 238, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 238, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 238, 246); box-shadow:4px 4px 4px 4px rgb(219, 238, 246) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8630, 0.2957, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 238, 246) }
```

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

```
.background{ background-color: rgb(219,  
238, 246) }
```

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