

# Converting Colors

Yxy(82.9036, 0.2954, 0.3085)

Have a look what the booklet for  
Yxy(82.9036, 0.2954, 0.3085)  
contains.

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# Color

**Yxy(82.9676, 0.2955, 0.3086)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3EBFF
RGB	227, 235, 255
RGB Percent	89%, 92%, 100%
CMY	0.1097, 0.0785, 0.0000
CMYK	0.11, 0.08, 0.00, 0.00
HSL	223°, 100%, 95%
HSV	223°, 11%, 100%
XYZ	79.4456, 82.9676, 106.4383
YIQ	234.8880, -11.1880, 4.5240

# Conversions

## Conversions Part 2

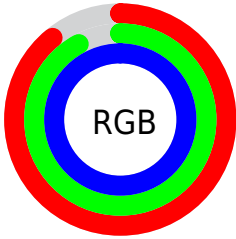
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 233, 255
Decimal	14937087
CIE Lab	93.00, 1.16, -10.56
CIE LCh	93, 10.624, 276.288
Yxy	82.9676, 0.2955, 0.3086
Android (android.graphics.Color)	4293127167 (0xFFE3EBFF)
YUV	234.8880, 9.9152, -6.9178
Hunter-Lab	91.0866, -3.7139, -5.5222

# Details

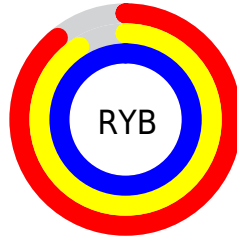
The Yxy color **82.9676, 0.2955, 0.3086** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93.3555, 0.3300, 0.3486**, and the grayscale version is **82.9235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0881, 0.2922, 0.3041** is the 20% darker color. If you saturate the color by 10%, you get **69.2099, 0.2785, 0.2876**, and if you desaturate by 10%, it is **98.4169, 0.3113, 0.3273**.

# Distribution



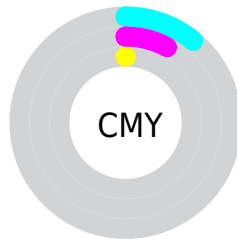
- Red (89%)
- Green (92%)
- Blue (100%)



- Red (89%)
- Yellow (91%)
- Blue (100%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9676, 0.2955, 0.3086 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 82.9676, 0.2955, 0.3086 by changing the saturation by 10% instead.



82.9676, 0.2955,  
0.3086

82.9676, 0.2955,  
0.3086

504.8785, 0.3033,  
0.3178

62.1634, 0.2938,  
0.3066

137.5301, 0.2982,  
0.3117

45.1648, 0.2917,  
0.3041

172.0572, 0.2992,  
0.3130

31.5872, 0.2890,  
0.3010

211.9274, 0.3001,  
0.3140

21.0464, 0.2856,  
0.2970

257.5250, 0.3009,  
0.3150

13.1579, 0.2811,  
0.2917

309.2346, 0.3016,  
0.3158

7.5374, 0.2748,  
0.2844

367.4404, 0.3022,

3.8004, 0.2653,

0.3165

0.2735

432.5270, 0.3028,  
0.3172

■ 1.5625, 0.2498,  
0.2556

■ 0.3321, 0.1930,  
0.1863

■ 82.9676, 0.2955,  
0.3086

■ 82.9676, 0.2955,  
0.3086

■ 69.2099, 0.2785,  
0.2876

■ 98.4169, 0.3113,  
0.3273

■ 57.0755, 0.2605,  
0.2642

100.0000, 0.3127,  
0.3290

■ 46.5049, 0.2419,  
0.2388

■ 37.4313, 0.2233,  
0.2119

■ 29.7827, 0.2054,  
0.1843

■ 23.4806, 0.1893,  
0.1572

■ 18.4381, 0.1757,  
0.1318

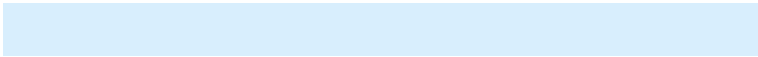
■ 14.5556, 0.1655,  
0.1096

■ 11.9286, 0.1592,  
0.0931

# Harmonies

## Analogous

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



82.9676, 0.2898, 0.3133



82.9676, 0.2955, 0.3086



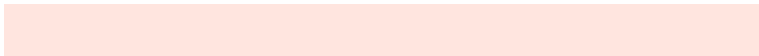
82.9676, 0.3059, 0.3092

# Triad

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



82.9676, 0.2955, 0.3086



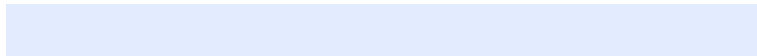
82.9676, 0.3360, 0.3348



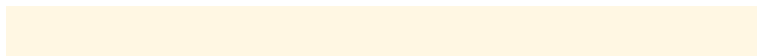
82.9676, 0.3069, 0.3438

# Complementary

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



82.9676, 0.2955, 0.3086



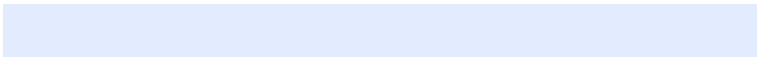
93.3555, 0.3300, 0.3486

# Split Complementary

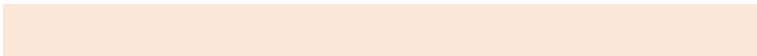
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9676, 0.3192, 0.3497



82.9676, 0.2955, 0.3086



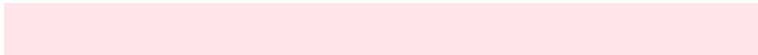
82.9676, 0.3362, 0.3442

# Square

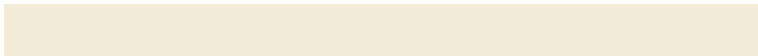
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9676, 0.2955, 0.3086



82.9676, 0.3294, 0.3242



82.9676, 0.3300, 0.3498

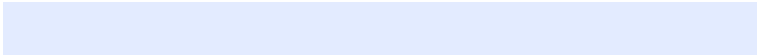


82.9676, 0.2962, 0.3337



# Rectangle

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



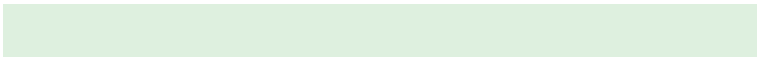
82.9676, 0.2955, 0.3086



82.9676, 0.3141, 0.3125



82.9676, 0.3300, 0.3498



82.9676, 0.3110, 0.3463

# Sweetspot

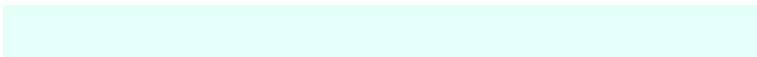
The Sweet Spot groups the original color and five complimentary colors.



82.9707, 0.2955, 0.3086



95.1355, 0.3082, 0.3237



94.5484, 0.3004, 0.3374



20.0903, 0.3069, 0.3222



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.



82.9707, 0.2955, 0.3086



80.0368, 0.2921, 0.3045



79.4399, 0.2990, 0.3006



18.2195, 0.2979, 0.3115



6.4508, 0.1600, 0.0958



0.8046, 0.1660, 0.1175



# Inverse Universe

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



82.2164, 0.3270, 0.3212



79.2085, 0.3301, 0.3197



97.2828, 0.3255, 0.3565



18.0721, 0.3249, 0.3223



11.3792, 0.5822, 0.2981

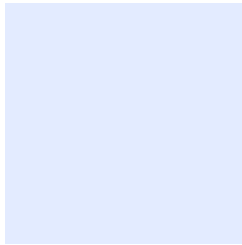


1.1258, 0.5503, 0.2805



# Previews

## White Background



This preview shows how the Yxy color 82.9676, 0.2955, 0.3086 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

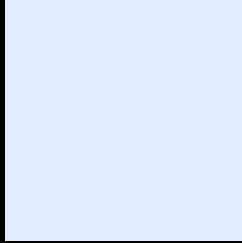
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.9676, 0.2955, 0.3086 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

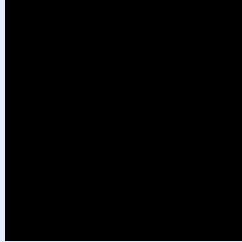
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

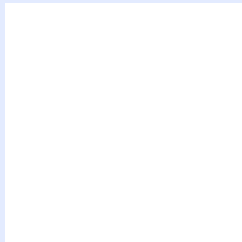
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.9676, 0.2955, 0.3086**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9676, 0.2955, 0.3086.



This preview shows how white text looks on a background with the Yxy color 82.9676, 0.2955, 0.3086.

# 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

82.9676, 0.2955, 0.3086

### Protanopia

82.7572, 0.2999, 0.3078

### Deuteranopia

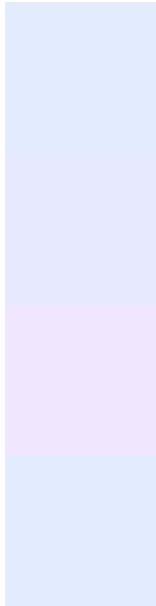
83.0328, 0.3085, 0.3034



## Tritanopia

82.9033, 0.2961, 0.3096

# Trichromacy



## Original Color

82.9676, 0.2955, 0.3086

## Protanomaly

82.9903, 0.2986, 0.3087

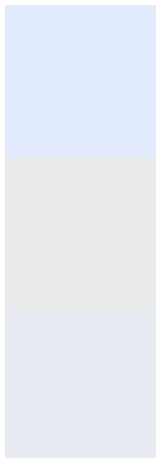
## Deuteranomaly

82.8971, 0.3039, 0.3051

## Tritanomaly

82.9033, 0.2961, 0.3096

# Monochromacy



## Original Color

82.9676, 0.2955, 0.3086

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

82.9833, 0.3064, 0.3218

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9676, 0.2955, 0.3086 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(227, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 235, 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(227, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 235, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9676, 0.2955, 0.3086 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(227, 235, 255) }
```

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

```
.border{ border-color:rgb(227, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 235,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9676, 0.2955, 0.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 235, 255) }
```

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

```
.background{ background-color: rgb(227,  
235, 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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