

Converting Colors

$Yxy(82.2803, 0.2970, 0.3103)$

Have a look what the booklet for
Yxy(82.2803, 0.2970, 0.3103)
contains.

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Color

Yxy(82.2048, 0.2972, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	E3EAFC
RGB	227, 234, 252
RGB Percent	89%, 92%, 99%
CMY	0.1100, 0.0823, 0.0118
CMYK	0.10, 0.07, 0.00, 0.01
HSL	223°, 81%, 94%
HSV	223°, 10%, 99%
XYZ	78.6583, 82.2048, 103.8014
YIQ	233.9590, -9.9500, 4.1140

Conversions

Conversions Part 2

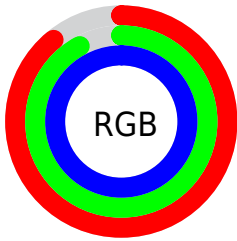
Format	Color
R _{YB}	227, 232, 252
Decimal	14936828
CIE Lab	92.67, 1.05, -9.49
CIE LCh	93, 9.543, 276.299
Yxy	82.2048, 0.2972, 0.3106
Android (android.graphics.Color)	4293126908 (0xFFE3EAFC)
YUV	233.9590, 8.8942, -6.1030
Hunter-Lab	90.6669, -3.8088, -4.4123

Details

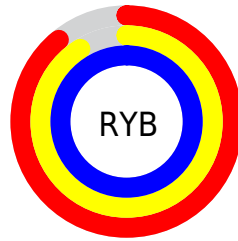
The Yxy color **82.2048, 0.2972, 0.3106** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.4892, 0.3283, 0.3468**, and the grayscale version is **82.1804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5516, 0.2944, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **68.6298, 0.2803, 0.2898**, and if you desaturate by 10%, it is **97.4372, 0.3128, 0.3291**.

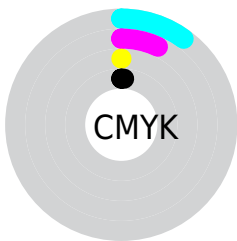
Distribution



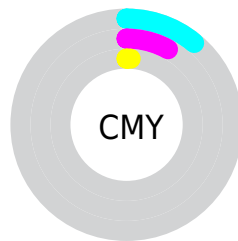
- Red (89%)
- Green (92%)
- Blue (99%)



- Red (89%)
- Yellow (91%)
- Blue (99%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2048, 0.2972, 0.3106 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 82.2048, 0.2972, 0.3106 by changing the saturation by 10% instead.

82.2048, 0.2972,
0.3106

82.2048, 0.2972,
0.3106

502.3325, 0.3042,
0.3189

61.5344, 0.2956,
0.3088

136.4612, 0.2996,
0.3134

44.6566, 0.2937,
0.3065

170.8159, 0.3005,
0.3146

31.1870, 0.2913,
0.3037

210.5008, 0.3014,
0.3155

20.7413, 0.2882,
0.3001

255.9003, 0.3021,
0.3164

12.9350, 0.2841,
0.2952

307.3989, 0.3027,
0.3171

7.3838, 0.2783,
0.2885

365.3808, 0.3033,

3.7033, 0.2697,

0.3178

0.2784

430.2306, 0.3038,
0.3184

■ 1.5090, 0.2553,
0.2619

■ 0.2951, 0.1930,
0.1861

■ 82.2048, 0.2972,
0.3106

■ 82.2048, 0.2972,
0.3106

■ 68.6298, 0.2803,
0.2898

■ 97.4372, 0.3128,
0.3291

■ 56.6446, 0.2624,
0.2666

99.8072, 0.3145,
0.3319

■ 46.1917, 0.2438,
0.2413

■ 37.2066, 0.2252,
0.2145

■ 29.6195, 0.2072,
0.1868

■ 23.3544, 0.1908,
0.1595

■ 18.3275, 0.1769,
0.1339

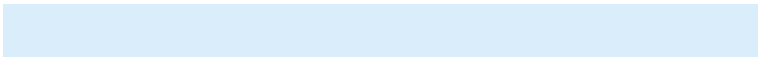
■ 14.4432, 0.1663,
0.1113

■ 11.5700, 0.1591,
0.0928

Harmonies

Analogous

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



82.2048, 0.2920, 0.3149



82.2048, 0.2972, 0.3106



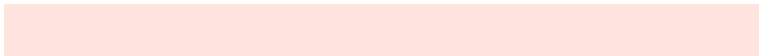
82.2048, 0.3066, 0.3112

Triad

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



82.2048, 0.2972, 0.3106



82.2048, 0.3337, 0.3343



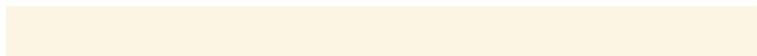
82.2048, 0.3075, 0.3423

Complementary

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



82.2048, 0.2972, 0.3106



91.4892, 0.3283, 0.3468

Split Complementary

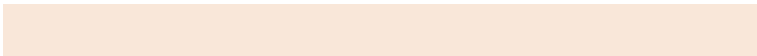
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2048, 0.3186, 0.3476



82.2048, 0.2972, 0.3106



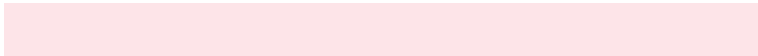
82.2048, 0.3339, 0.3428

Square

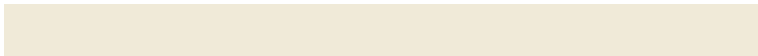
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2048, 0.2972, 0.3106



82.2048, 0.3277, 0.3247



82.2048, 0.3283, 0.3477



82.2048, 0.2979, 0.3332

Rectangle

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



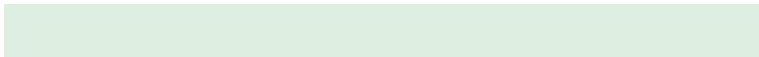
82.2048, 0.2972, 0.3106



82.2048, 0.3140, 0.3141



82.2048, 0.3283, 0.3477



82.2048, 0.3111, 0.3446

Sweetspot

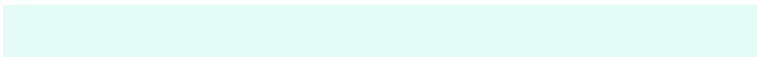
The Sweet Spot groups the original color and five complimentary colors.



82.2083, 0.2972, 0.3106



95.1251, 0.3082, 0.3237



92.5194, 0.3013, 0.3361



20.0875, 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.



82.2083, 0.2972, 0.3106



81.4322, 0.2938, 0.3065



79.1587, 0.3007, 0.3035



17.4410, 0.2979, 0.3115



6.2334, 0.1599, 0.0955



0.7488, 0.1662, 0.1182

Inverse Universe

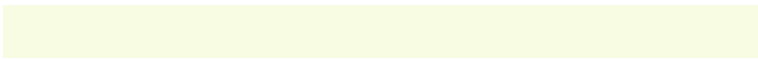
The Inverse Universe completely reimagines the original color for something new.



81.5467, 0.3256, 0.3220



80.6721, 0.3286, 0.3205



94.8478, 0.3240, 0.3538



17.3058, 0.3249, 0.3223



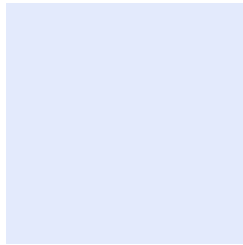
11.0402, 0.5828, 0.2984



1.0398, 0.5492, 0.2799

Previews

White Background



This preview shows how the Yxy color 82.2048, 0.2972, 0.3106 looks on a white background.

Color Contrast Check

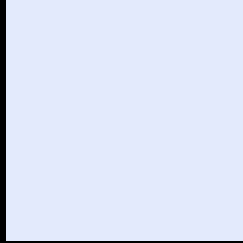
Large Text (above 18pt) WCAG AA × Fail

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 82.2048, 0.2972, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

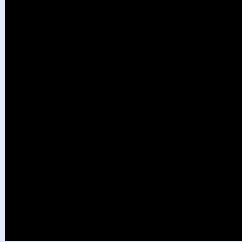
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

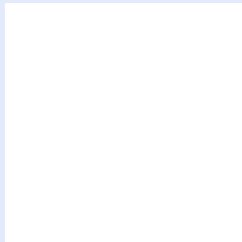
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2048, 0.2972, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 82.2048, 0.2972, 0.3106.



This preview shows how white text looks on a background with the Yxy color 82.2048, 0.2972, 0.3106.

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

82.2048, 0.2972, 0.3106

Protanopia

82.0019, 0.3017, 0.3097

Deuteranopia

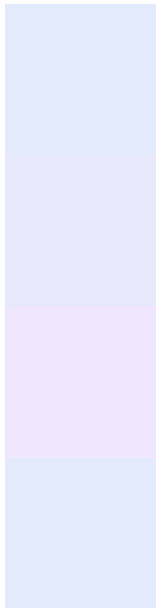
81.8042, 0.3098, 0.3033



Tritanopia

82.2048, 0.2972, 0.3106

Trichromacy



Original Color

82.2048, 0.2972, 0.3106

Protanomaly

82.2318, 0.3004, 0.3107

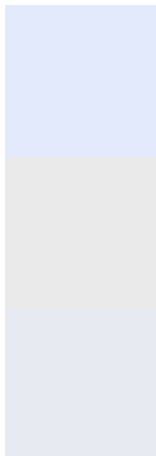
Deuteranomaly

82.2107, 0.3051, 0.3060

Tritanomaly

82.2048, 0.2972, 0.3106

Monochromacy



Original Color

82.2048, 0.2972, 0.3106

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.1854, 0.3064, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2048, 0.2972, 0.3106 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, 234, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 234, 252)  
}
```

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, 234, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 234, 252) }
```

Border

The CSS property to change the border of an element to Yxy 82.2048, 0.2972, 0.3106 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, 234, 252) }
```

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

```
.border{ border-color:rgb(227, 234, 252) }
```

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

Here you see how a box with a 4 pixel rgb(227, 234, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 234, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 234, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 234,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2048, 0.2972, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 234, 252) }
```

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

```
.background{ background-color: rgb(227,  
234, 252) }
```

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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