

Converting Colors

Yxy(84.1128, 0.2971, 0.3154)

Have a look what the booklet for
Yxy(84.1128, 0.2971, 0.3154)
contains.

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Color

Yxy(84.2829, 0.2972, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	E2EEFB
RGB	226, 238, 251
RGB Percent	89%, 93%, 98%
CMY	0.1138, 0.0666, 0.0157
CMYK	0.10, 0.05, 0.00, 0.02
HSL	211°, 76%, 94%
HSV	211°, 10%, 98%
XYZ	79.3439, 84.2829, 103.3447
YIQ	235.8940, -11.3250, 1.4990

Conversions

Conversions Part 2

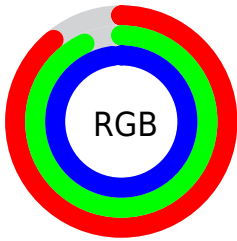
Format	Color
R_{YB}	226, 234, 251
Decimal	14872315
CIE _{Lab}	93.57, -1.51, -7.63
CIE _{LCh}	94, 7.778, 258.827
Y _{xy}	84.2829, 0.2972, 0.3157
Android (android.graphics.Color)	4293062395 (0xFFE2EEFB)
Y _{UV}	235.8940, 7.4473, -8.6770
Hunter-Lab	91.8057, -6.3898, -2.4781

Details

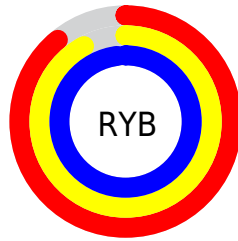
The Yxy color **84.2829, 0.2972, 0.3157** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.7035, 0.3289, 0.3420**, and the grayscale version is **83.7431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0540, 0.2937, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **73.2112, 0.2810, 0.3008**, and if you desaturate by 10%, it is **96.5041, 0.3128, 0.3290**.

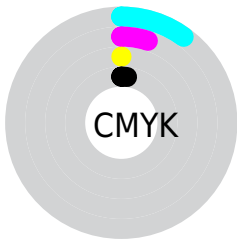
Distribution



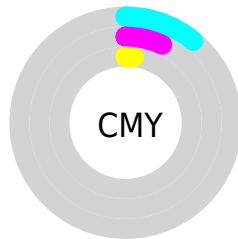
- Red (89%)
- Green (93%)
- Blue (98%)



- Red (89%)
- Yellow (92%)
- Blue (98%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2829, 0.2972, 0.3157 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 84.2829, 0.2972, 0.3157 by changing the saturation by 10% instead.

84.2829, 0.2972,
0.3157

84.2829, 0.2972,
0.3157

509.2522, 0.3042,
0.3217

63.2490, 0.2957,
0.3144

139.3708, 0.2996,
0.3178

46.0427, 0.2938,
0.3127

174.1937, 0.3005,
0.3186

32.2795, 0.2914,
0.3107

214.3817, 0.3013,
0.3193

21.5751, 0.2884,
0.3080

260.3192, 0.3020,
0.3199

13.5450, 0.2844,
0.3045

312.3906, 0.3027,
0.3204

7.8049, 0.2788,
0.2996

370.9803, 0.3032,

3.9704, 0.2705,

0.3209

0.2922

436.4727, 0.3037,
0.3213

■ 1.6570, 0.2568,
0.2800

■ 0.3956, 0.1996,
0.2328

■ 84.2829, 0.2972,
0.3157

■ 84.2829, 0.2972,
0.3157

■ 73.2112, 0.2810,
0.3008

■ 96.5041, 0.3128,
0.3290

■ 63.2411, 0.2644,
0.2843

■ 99.7445, 0.3150,
0.3328

■ 54.3366, 0.2477,
0.2664

■ 46.4556, 0.2315,
0.2473

■ 39.5525, 0.2162,
0.2272

■ 33.5774, 0.2024,
0.2067

■ 28.4747, 0.1907,
0.1863

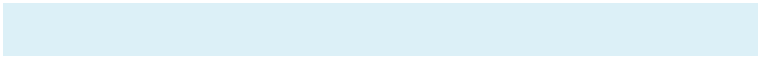
■ 24.1800, 0.1815,
0.1667

■ 20.5961, 0.1746,
0.1484

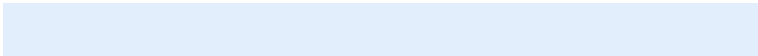
Harmonies

Analogous

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



84.2829, 0.2955, 0.3212



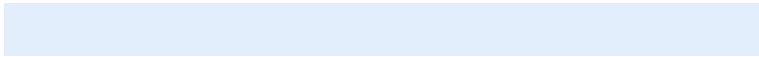
84.2829, 0.2972, 0.3157



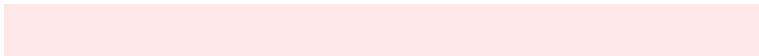
84.2829, 0.3030, 0.3138

Triad

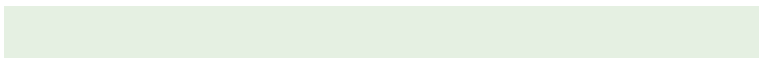
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2829, 0.2972, 0.3157



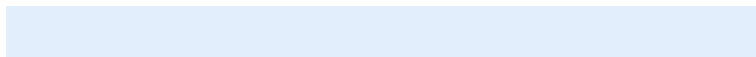
84.2829, 0.3273, 0.3288



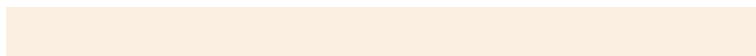
84.2829, 0.3137, 0.3427

Complementary

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



84.2829, 0.2972, 0.3157



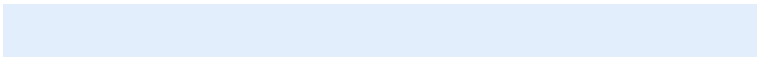
87.7035, 0.3289, 0.3420

Split Complementary

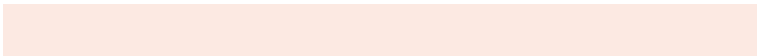
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2829, 0.3223, 0.3446



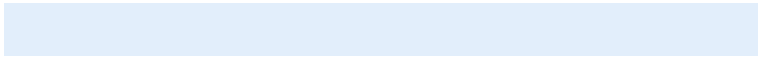
84.2829, 0.2972, 0.3157



84.2829, 0.3303, 0.3364

Square

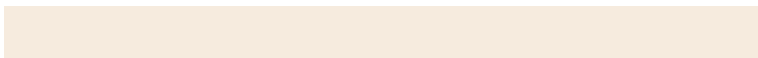
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2829, 0.2972, 0.3157



84.2829, 0.3204, 0.3213



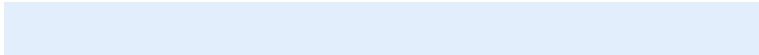
84.2829, 0.3284, 0.3423



84.2829, 0.3050, 0.3369

Rectangle

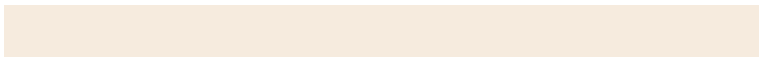
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2829, 0.2972, 0.3157



84.2829, 0.3085, 0.3147



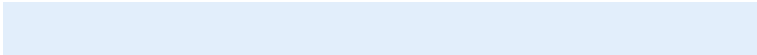
84.2829, 0.3284, 0.3423



84.2829, 0.3167, 0.3438

Sweetspot

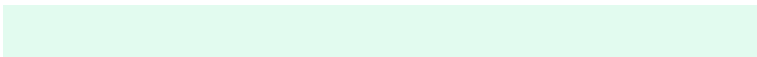
The Sweet Spot groups the original color and five complimentary colors.



84.2864, 0.2972, 0.3157



96.0717, 0.3081, 0.3252



91.3800, 0.3041, 0.3413



20.3425, 0.3069, 0.3241



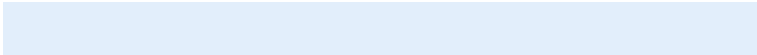
0.0000, 0.0000, 0.0000



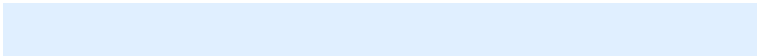
21.4041, 0.3127, 0.3290

Same Dimension

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



84.2864, 0.2972, 0.3157



84.9373, 0.2939, 0.3128



77.5769, 0.2974, 0.3032



18.0213, 0.2980, 0.3164



11.1095, 0.1754, 0.1513



1.2400, 0.1815, 0.1734

Inverse Universe

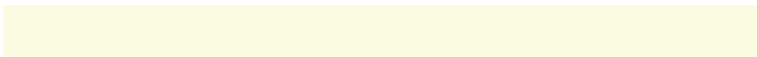
The Inverse Universe completely reimagines the original color for something new.



81.0614, 0.3223, 0.3171



81.0259, 0.3245, 0.3145



94.9089, 0.3273, 0.3536



17.3644, 0.3218, 0.3176



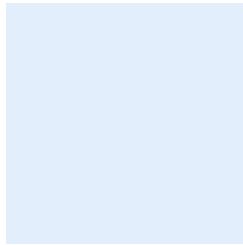
11.5324, 0.5042, 0.2551



1.0894, 0.4765, 0.2399

Previews

White Background



This preview shows how the Yxy color 84.2829, 0.2972, 0.3157 looks on a white background.

Color Contrast Check

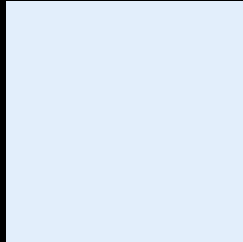
Large Text (above 18pt) WCAG AA × Fail

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 84.2829, 0.2972, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

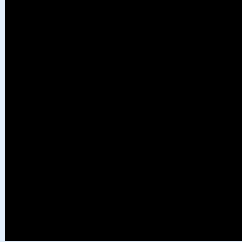
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

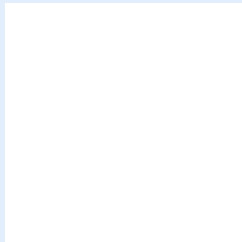
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2829, 0.2972, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 84.2829, 0.2972, 0.3157.

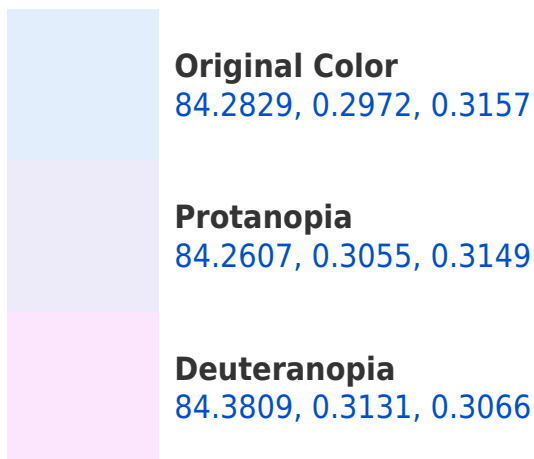


This preview shows how white text looks on a background with the Yxy color 84.2829, 0.2972, 0.3157.

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

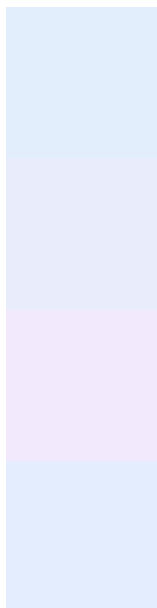




Tritanopia

84.1193, 0.2955, 0.3107

Trichromacy



Original Color

84.2829, 0.2972, 0.3157

Protanomaly

84.2167, 0.3023, 0.3148

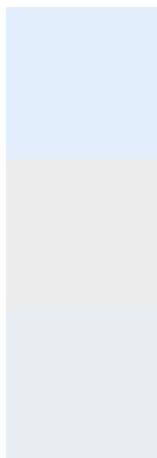
Deuteranomaly

84.3608, 0.3076, 0.3101

Tritanomaly

84.0550, 0.2961, 0.3117

Monochromacy



Original Color

84.2829, 0.2972, 0.3157

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0751, 0.3070, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2829, 0.2972, 0.3157 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(226, 238, 251)` looks like.

```
.text, #text, p{  
    color:rgb(226, 238, 251)  
}
```

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(226, 238, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 238, 251) }
```

Border

The CSS property to change the border of an element to Yxy 84.2829, 0.2972, 0.3157 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(226, 238, 251) }
```

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

```
.border{ border-color:rgb(226, 238, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 238, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 238, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 238, 251);  
box-shadow:4px 4px 4px 4px rgb(226, 238,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2829, 0.2972, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 238, 251) }
```

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

```
.background{ background-color: rgb(226,  
238, 251) }
```

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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