

Converting Colors

Yxy(84.0349, 0.2970, 0.3134)

Have a look what the booklet for
Yxy(84.0349, 0.2970, 0.3134)
contains.

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Color

Yxy(83.9275, 0.2972, 0.3137)

Conversions

Conversions Part 1

Format	Color
Hex	E3EDFC
RGB	227, 237, 252
RGB Percent	89%, 93%, 99%
CMY	0.1101, 0.0705, 0.0118
CMYK	0.10, 0.06, 0.00, 0.01
HSL	216°, 81%, 94%
HSV	216°, 10%, 99%
XYZ	79.5131, 83.9275, 104.1001
YIQ	235.7200, -10.7750, 2.5450

Conversions

Conversions Part 2

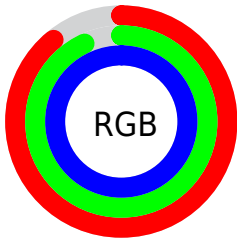
Format	Color
R _Y B	227, 234, 252
Decimal	14937596
CIE Lab	93.42, -0.51, -8.37
CIE LCh	93, 8.389, 266.528
Yxy	83.9275, 0.2972, 0.3137
Android (android.graphics.Color)	4293127676 (0xFFE3EDFC)
YUV	235.7200, 8.0260, -7.6474
Hunter-Lab	91.6120, -5.3948, -3.2438

Details

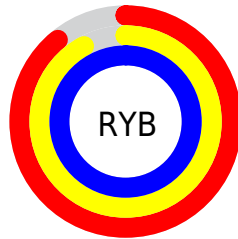
The Yxy color **83.9275, 0.2972, 0.3137** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.6722, 0.3287, 0.3438**, and the grayscale version is **83.5922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7585, 0.2945, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **71.7826, 0.2807, 0.2965**, and if you desaturate by 10%, it is **97.4095, 0.3128, 0.3291**.

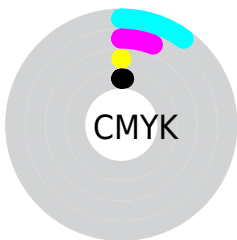
Distribution



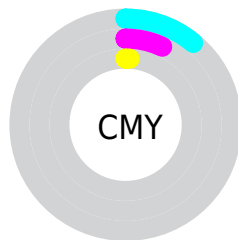
- Red (89%)
- Green (93%)
- Blue (99%)



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



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9275, 0.2972, 0.3137 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 83.9275, 0.2972, 0.3137 by changing the saturation by 10% instead.

83.9275, 0.2972,
0.3137

83.9275, 0.2972,
0.3137

508.0725, 0.3042,
0.3206

62.9556, 0.2957,
0.3122

138.8738, 0.2996,
0.3161

45.8053, 0.2938,
0.3103

173.6169, 0.3005,
0.3170

32.0922, 0.2914,
0.3079

213.7192, 0.3013,
0.3178

21.4319, 0.2884,
0.3049

259.5651, 0.3020,
0.3185

13.4401, 0.2843,
0.3009

311.5390, 0.3027,
0.3191

7.7323, 0.2787,
0.2953

370.0252, 0.3032,

3.9241, 0.2703,

0.3197

0.2870

435.4083, 0.3037,
0.3202

■ 1.6312, 0.2565,
0.2731

■ 0.3785, 0.2015,
0.2196

■ 83.9275, 0.2972,
0.3137

■ 83.9275, 0.2972,
0.3137

■ 71.7826, 0.2807,
0.2965

■ 97.4095, 0.3128,
0.3291

■ 60.9205, 0.2636,
0.2774

■ 99.8081, 0.3144,
0.3319

■ 51.2982, 0.2462,
0.2566

■ 42.8664, 0.2290,
0.2344

■ 35.5718, 0.2126,
0.2112

■ 29.3562, 0.1977,
0.1877

■ 24.1552, 0.1850,
0.1648

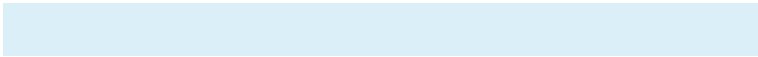
■ 19.8949, 0.1751,
0.1433

■ 16.4678, 0.1678,
0.1240

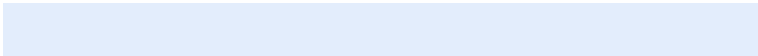
Harmonies

Analogous

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



83.9275, 0.2941, 0.3187



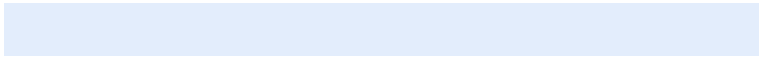
83.9275, 0.2972, 0.3137



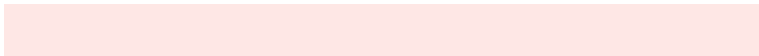
83.9275, 0.3044, 0.3128

Triad

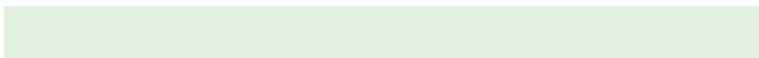
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9275, 0.2972, 0.3137



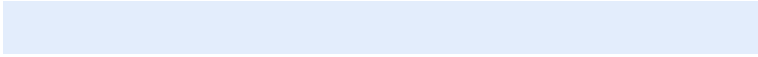
83.9275, 0.3298, 0.3309



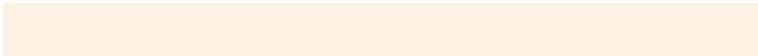
83.9275, 0.3113, 0.3425

Complementary

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



83.9275, 0.2972, 0.3137



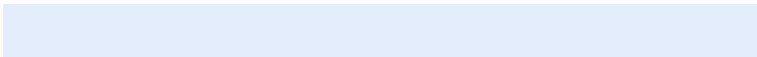
89.6722, 0.3287, 0.3438

Split Complementary

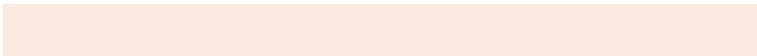
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9275, 0.3209, 0.3458



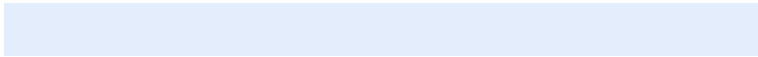
83.9275, 0.2972, 0.3137



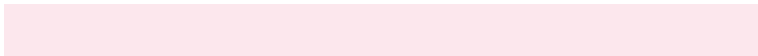
83.9275, 0.3317, 0.3389

Square

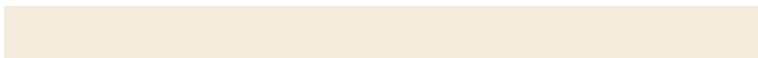
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9275, 0.2972, 0.3137



83.9275, 0.3233, 0.3226



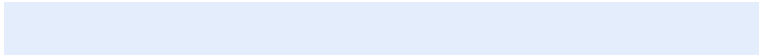
83.9275, 0.3284, 0.3444



83.9275, 0.3022, 0.3355

Rectangle

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



83.9275, 0.2972, 0.3137



83.9275, 0.3107, 0.3145



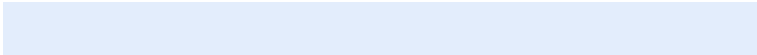
83.9275, 0.3284, 0.3444



83.9275, 0.3146, 0.3441

Sweetspot

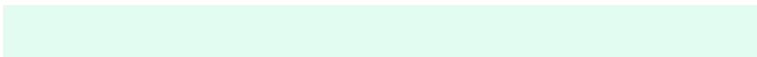
The Sweet Spot groups the original color and five complimentary colors.



83.9310, 0.2972, 0.3137



95.6994, 0.3081, 0.3246



92.3198, 0.3032, 0.3396



20.2421, 0.3069, 0.3234



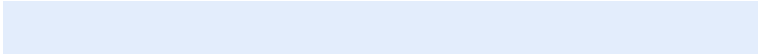
0.0000, 0.0000, 0.0000



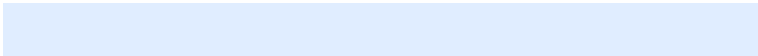
21.4041, 0.3127, 0.3290

Same Dimension

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



83.9310, 0.2972, 0.3137



83.5478, 0.2939, 0.3103



78.5807, 0.2985, 0.3033



17.7918, 0.2979, 0.3145



8.8413, 0.1686, 0.1269



1.0205, 0.1751, 0.1504

Inverse Universe

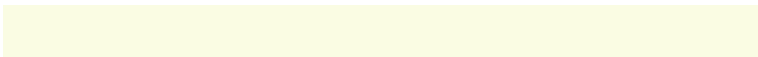
The Inverse Universe completely reimagines the original color for something new.



81.7043, 0.3236, 0.3190



80.8857, 0.3261, 0.3168



95.4669, 0.3262, 0.3537



17.3412, 0.3230, 0.3195



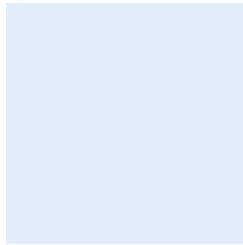
11.3034, 0.5369, 0.2731



1.0673, 0.5054, 0.2558

Previews

White Background



This preview shows how the Yxy color 83.9275, 0.2972, 0.3137 looks on a white background.

Color Contrast Check

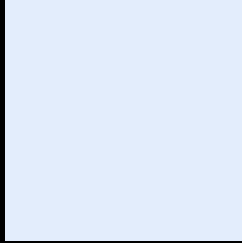
Large Text (above 18pt) WCAG AA × Fail

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 83.9275, 0.2972, 0.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

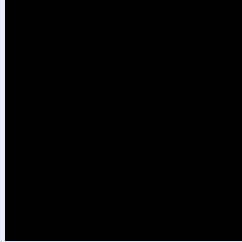
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

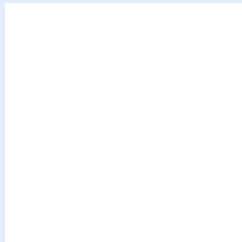
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9275, 0.2972, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 83.9275, 0.2972, 0.3137.



This preview shows how white text looks on a background with the Yxy color 83.9275, 0.2972, 0.3137.

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

83.9275, 0.2972, 0.3137

Protanopia

83.5806, 0.3042, 0.3129

Deuteranopia

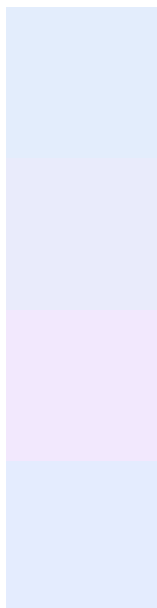
83.7036, 0.3118, 0.3046



Tritanopia

83.7049, 0.2961, 0.3097

Trichromacy



Original Color

83.9275, 0.2972, 0.3137

Protanomaly

83.7053, 0.3017, 0.3128

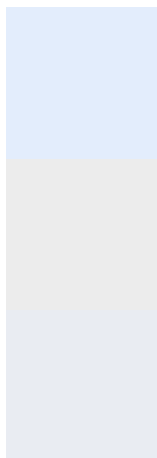
Deuteranomaly

83.6823, 0.3064, 0.3081

Tritanomaly

83.6406, 0.2967, 0.3107

Monochromacy



Original Color

83.9275, 0.2972, 0.3137

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7253, 0.3071, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9275, 0.2972, 0.3137 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, 237, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 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, 237, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 252) }
```

Border

The CSS property to change the border of an element to Yxy 83.9275, 0.2972, 0.3137 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, 237, 252) }
```

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

```
.border{ border-color:rgb(227, 237, 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, 237, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 237, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 237, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 237,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9275, 0.2972, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 237, 252) }
```

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

```
.background{ background-color: rgb(227,  
237, 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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