

Converting Colors

Yxy(84.2026, 0.2959, 0.3107)

Have a look what the booklet for
Yxy(84.2026, 0.2959, 0.3107)
contains.

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Color

Yxy(84.2824, 0.2961, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	E4EDFF
RGB	228, 237, 255
RGB Percent	89%, 93%, 100%
CMY	0.1060, 0.0705, 0.0000
CMYK	0.11, 0.07, 0.00, 0.00
HSL	220°, 100%, 95%
HSV	220°, 11%, 100%
XYZ	80.3219, 84.2824, 106.6619
YIQ	236.3610, -11.1420, 3.6900

Conversions

Conversions Part 2

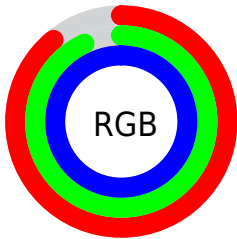
Format	Color
R_{YB}	228, 235, 255
Decimal	15003135
CIE _{Lab}	93.57, 0.42, -9.71
CIE _{LCh}	94, 9.721, 272.478
Y _{xy}	84.2824, 0.2961, 0.3107
Android (android.graphics.Color)	4293193215 (0xFFE4EDFF)
Y _{UV}	236.3610, 9.1890, -7.3326
Hunter-Lab	91.8054, -4.4873, -4.6208

Details

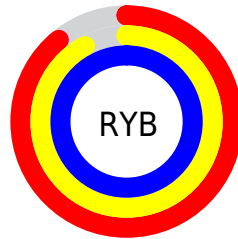
The Yxy color **84.2824, 0.2961, 0.3107** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.7366, 0.3296, 0.3466**, and the grayscale version is **84.1028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8956, 0.2923, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **71.0559, 0.2793, 0.2913**, and if you desaturate by 10%, it is **99.0567, 0.3118, 0.3280**.

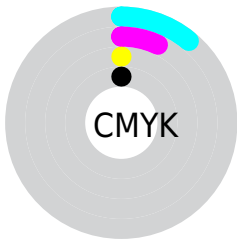
Distribution



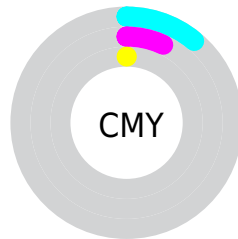
- Red (89%)
- Green (93%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2824, 0.2961, 0.3107 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 84.2824, 0.2961, 0.3107 by changing the saturation by 10% instead.

84.2824, 0.2961,
0.3107

84.2824, 0.2961,
0.3107

509.2505, 0.3036,
0.3189

63.2486, 0.2944,
0.3089

139.3701, 0.2987,
0.3135

46.0424, 0.2924,
0.3067

174.1929, 0.2997,
0.3146

32.2793, 0.2899,
0.3039

214.3808, 0.3005,
0.3156

21.5749, 0.2866,
0.3003

260.3181, 0.3013,
0.3164

13.5449, 0.2823,
0.2956

312.3894, 0.3020,
0.3171

7.8048, 0.2763,
0.2890

370.9790, 0.3026,

3.9703, 0.2674,

0.3178

0.2793

436.4712, 0.3031,
0.3184

■ 1.6570, 0.2528,
0.2634

■ 0.3956, 0.2034,
0.2083

■ 84.2824, 0.2961,
0.3107

■ 84.2824, 0.2961,
0.3107

■ 71.0559, 0.2793,
0.2913

99.0567, 0.3118,
0.3280

■ 59.3190, 0.2617,
0.2698

100.0000, 0.3127,
0.3290

■ 49.0180, 0.2436,
0.2463

■ 40.0935, 0.2256,
0.2213

■ 32.4818, 0.2084,
0.1955

■ 26.1133, 0.1927,
0.1697

■ 20.9108, 0.1795,
0.1452

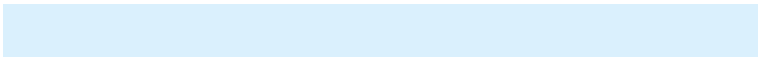
■ 16.7862, 0.1693,
0.1230

■ 13.7801, 0.1625,
0.1050

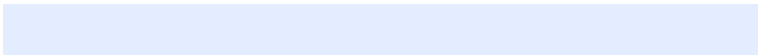
Harmonies

Analogous

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



84.2824, 0.2915, 0.3156



84.2824, 0.2961, 0.3107



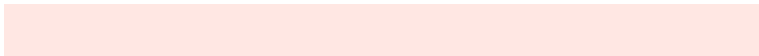
84.2824, 0.3051, 0.3106

Triad

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



84.2824, 0.2961, 0.3107



84.2824, 0.3334, 0.3331



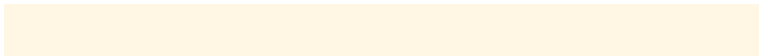
84.2824, 0.3088, 0.3434

Complementary

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



84.2824, 0.2961, 0.3107



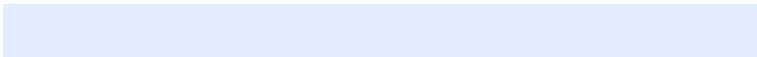
92.7366, 0.3296, 0.3466

Split Complementary

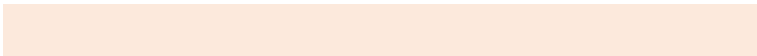
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2824, 0.3200, 0.3481



84.2824, 0.2961, 0.3107



84.2824, 0.3344, 0.3420

Square

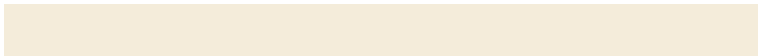
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2824, 0.2961, 0.3107



84.2824, 0.3268, 0.3234



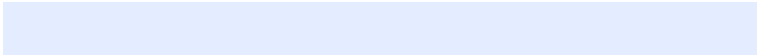
84.2824, 0.3294, 0.3475



84.2824, 0.2988, 0.3345

Rectangle

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



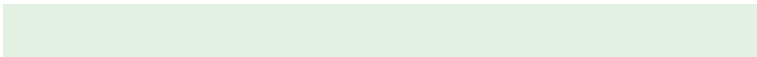
84.2824, 0.2961, 0.3107



84.2824, 0.3126, 0.3133



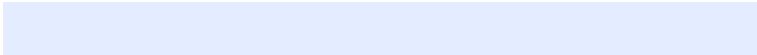
84.2824, 0.3294, 0.3475



84.2824, 0.3126, 0.3455

Sweetspot

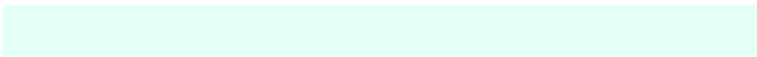
The Sweet Spot groups the original color and five complimentary colors.



84.2844, 0.2961, 0.3107



95.3744, 0.3082, 0.3241



94.6326, 0.3015, 0.3385



20.1546, 0.3069, 0.3227



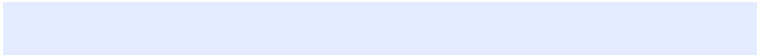
0.0000, 0.0000, 0.0000



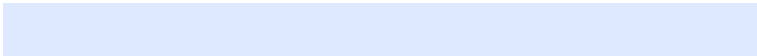
21.4041, 0.3127, 0.3290

Same Dimension

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



84.2844, 0.2961, 0.3107



80.9765, 0.2922, 0.3063



79.8426, 0.2986, 0.3016



18.3717, 0.2979, 0.3127



7.4450, 0.1633, 0.1079



0.9166, 0.1695, 0.1303

Inverse Universe

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



82.8396, 0.3256, 0.3201



79.3033, 0.3289, 0.3180



97.6180, 0.3260, 0.3554



18.0874, 0.3241, 0.3211



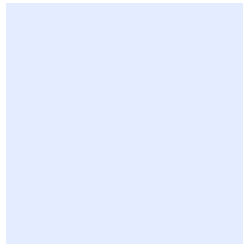
11.4795, 0.5641, 0.2881



1.1371, 0.5323, 0.2706

Previews

White Background



This preview shows how the Yxy color 84.2824, 0.2961, 0.3107 looks on a white background.

Color Contrast Check

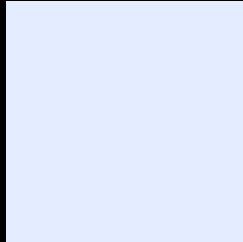
Large Text (above 18pt) WCAG AA × Fail

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 84.2824, 0.2961, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

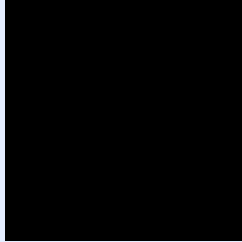
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

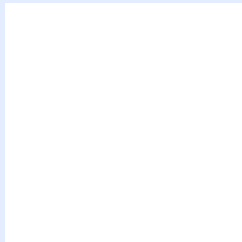
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2824, 0.2961, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 84.2824, 0.2961, 0.3107.



This preview shows how white text looks on a background with the Yxy color 84.2824, 0.2961, 0.3107.

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

84.2824, 0.2961, 0.3107

Protanopia

84.2346, 0.3012, 0.3099

Deuteranopia

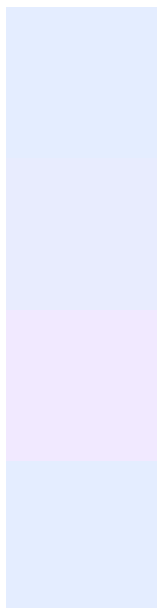
83.9534, 0.3098, 0.3045



Tritanopia

84.2824, 0.2961, 0.3107

Trichromacy



Original Color

84.2824, 0.2961, 0.3107

Protanomaly

84.3025, 0.2992, 0.3108

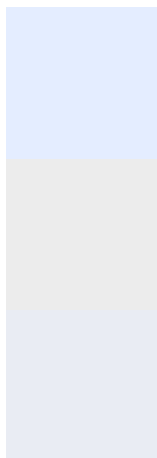
Deuteranomaly

84.1986, 0.3045, 0.3072

Tritanomaly

84.2824, 0.2961, 0.3107

Monochromacy



Original Color

84.2824, 0.2961, 0.3107

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7856, 0.3065, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2824, 0.2961, 0.3107 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(228, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 237, 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(228, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.2824, 0.2961, 0.3107 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(228, 237, 255) }
```

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

```
.border{ border-color:rgb(228, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2824, 0.2961, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 237, 255) }
```

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

```
.background{ background-color: rgb(228,  
237, 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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