

Converting Colors

$Yxy(83.9490, 0.2955, 0.3111)$

Have a look what the booklet for
Yxy(83.9490, 0.2955, 0.3111)
contains.

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Color

Yxy(83.8929, 0.2955, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	E2EDFE
RGB	226, 237, 254
RGB Percent	89%, 93%, 100%
CMY	0.1134, 0.0707, 0.0038
CMYK	0.11, 0.07, 0.00, 0.00
HSL	217°, 93%, 94%
HSV	217°, 11%, 100%
XYZ	79.5583, 83.8929, 105.7815
YIQ	235.6490, -12.0130, 2.9550

Conversions

Conversions Part 2

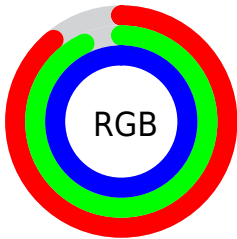
Format	Color
R _Y B	226, 234, 254
Decimal	14872062
CIE Lab	93.40, -0.35, -9.46
CIE LCh	93, 9.462, 267.856
Yxy	83.8929, 0.2955, 0.3116
Android (android.graphics.Color)	4293062142 (0xFFE2EDFE)
YUV	235.6490, 9.0470, -8.4622
Hunter-Lab	91.5931, -5.2418, -4.3593

Details

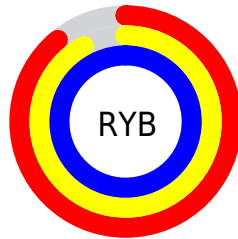
The Yxy color **83.8929, 0.2955, 0.3116** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.7428, 0.3304, 0.3458**, and the grayscale version is **83.5465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7369, 0.2922, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **71.5021, 0.2789, 0.2938**, and if you desaturate by 10%, it is **97.6741, 0.3112, 0.3275**.

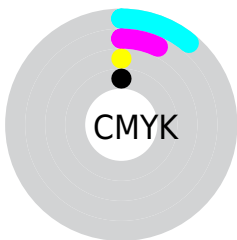
Distribution



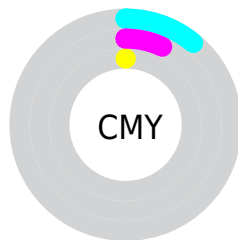
- Red (89%)
- Green (93%)
- Blue (100%)



- 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 83.8929, 0.2955, 0.3116 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 83.8929, 0.2955, 0.3116 by changing the saturation by 10% instead.

83.8929, 0.2955,
0.3116

83.8929, 0.2955,
0.3116

507.9575, 0.3032,
0.3194

62.9270, 0.2938,
0.3099

138.8253, 0.2981,
0.3143

45.7822, 0.2917,
0.3077

173.5607, 0.2992,
0.3153

32.0740, 0.2891,
0.3051

213.6547, 0.3001,
0.3162

21.4180, 0.2857,
0.3017

259.4916, 0.3009,
0.3170

13.4299, 0.2812,
0.2971

311.4560, 0.3016,
0.3178

7.7252, 0.2750,
0.2908

369.9322, 0.3022,

3.9196, 0.2658,

0.3184

0.2814

435.3046, 0.3027,
0.3189

■ 1.6287, 0.2506,
0.2659

■ 0.3768, 0.1940,
0.2092

■ 83.8929, 0.2955,
0.3116

■ 83.8929, 0.2955,
0.3116

■ 71.5021, 0.2789,
0.2938

■ 97.6741, 0.3112,
0.3275

■ 60.4451, 0.2616,
0.2741

99.9371, 0.3133,
0.3299

■ 50.6763, 0.2441,
0.2526

■ 42.1437, 0.2268,
0.2297

■ 34.7909, 0.2103,
0.2059

■ 28.5565, 0.1955,
0.1820

■ 23.3721, 0.1829,
0.1588

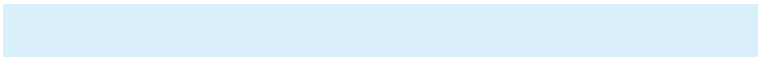
■ 19.1593, 0.1731,
0.1373

■ 16.1011, 0.1667,
0.1200

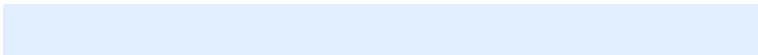
Harmonies

Analogous

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



83.8929, 0.2918, 0.3171



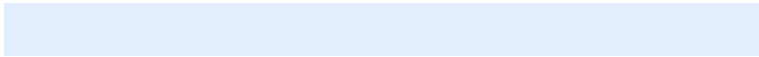
83.8929, 0.2955, 0.3116



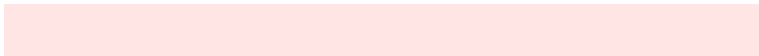
83.8929, 0.3038, 0.3108

Triad

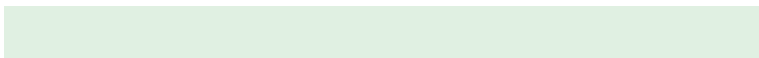
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8929, 0.2955, 0.3116



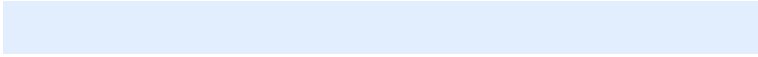
83.8929, 0.3322, 0.3316



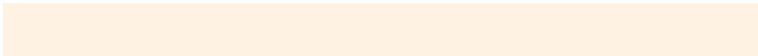
83.8929, 0.3106, 0.3440

Complementary

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



83.8929, 0.2955, 0.3116



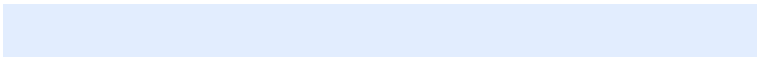
90.7428, 0.3304, 0.3458

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.



83.8929, 0.3215, 0.3479



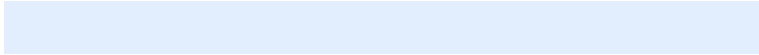
83.8929, 0.2955, 0.3116



83.8929, 0.3341, 0.3405

Square

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



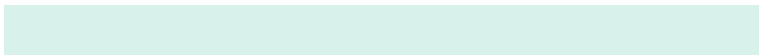
83.8929, 0.2955, 0.3116



83.8929, 0.3250, 0.3222



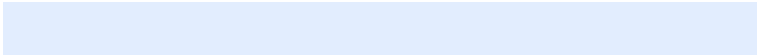
83.8929, 0.3301, 0.3465



83.8929, 0.3004, 0.3359

Rectangle

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



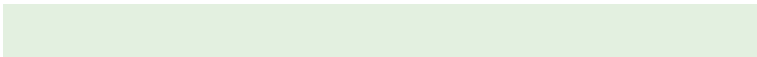
83.8929, 0.2955, 0.3116



83.8929, 0.3109, 0.3129



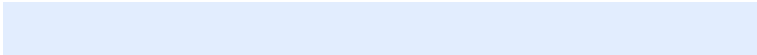
83.8929, 0.3301, 0.3465



83.8929, 0.3143, 0.3459

Sweetspot

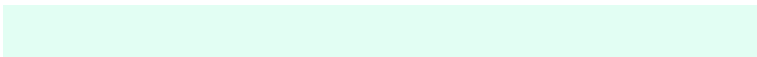
The Sweet Spot groups the original color and five complimentary colors.



83.8964, 0.2955, 0.3116



95.6373, 0.3081, 0.3245



93.5400, 0.3019, 0.3403



20.2254, 0.3069, 0.3232



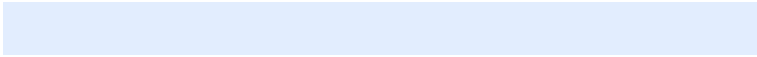
0.0000, 0.0000, 0.0000



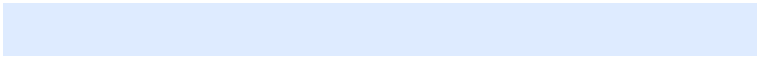
21.4041, 0.3127, 0.3290

Same Dimension

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



83.8964, 0.2955, 0.3116



82.0188, 0.2922, 0.3082



78.2309, 0.2972, 0.3004



18.5401, 0.2979, 0.3141



8.7530, 0.1675, 0.1230



1.0571, 0.1737, 0.1454

Inverse Universe

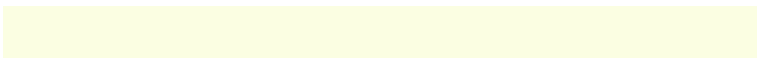
The Inverse Universe completely reimagines the original color for something new.



81.6245, 0.3251, 0.3183



79.4086, 0.3277, 0.3162



96.9433, 0.3274, 0.3564



18.1044, 0.3233, 0.3198



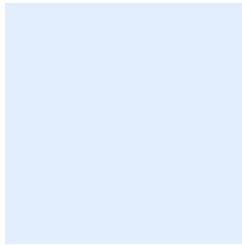
11.6116, 0.5424, 0.2762



1.1513, 0.5119, 0.2594

Previews

White Background



This preview shows how the Yxy color 83.8929, 0.2955, 0.3116 looks on a white background.

Color Contrast Check

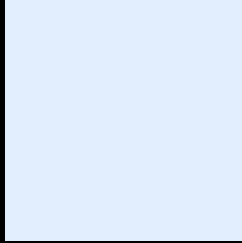
Large Text (above 18pt) WCAG AA × Fail

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 83.8929, 0.2955, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

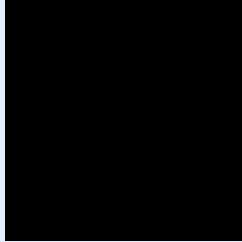
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

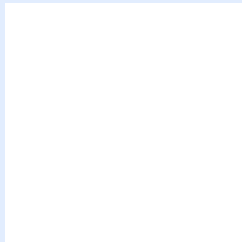
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8929, 0.2955, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 83.8929, 0.2955, 0.3116.



This preview shows how white text looks on a background with the Yxy color 83.8929, 0.2955, 0.3116.

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

83.8929, 0.2955, 0.3116

Protanopia

83.5361, 0.3024, 0.3109

Deuteranopia

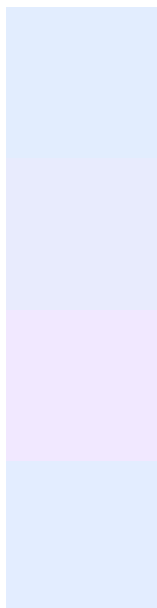
83.3984, 0.3099, 0.3035



Tritanopia

84.1193, 0.2955, 0.3107

Trichromacy



Original Color

83.8929, 0.2955, 0.3116

Protanomaly

83.6643, 0.2998, 0.3108

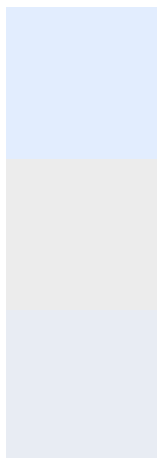
Deuteranomaly

83.6340, 0.3045, 0.3061

Tritanomaly

84.1193, 0.2955, 0.3107

Monochromacy



Original Color

83.8929, 0.2955, 0.3116

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.6178, 0.3058, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8929, 0.2955, 0.3116 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, 237, 254)` looks like.

```
.text, #text, p{  
    color:rgb(226, 237, 254)  
}
```

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, 237, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 237, 254) }
```

Border

The CSS property to change the border of an element to Yxy 83.8929, 0.2955, 0.3116 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, 237, 254) }
```

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

```
.border{ border-color:rgb(226, 237, 254) }
```

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

Here you see how a box with a 4 pixel rgb(226, 237, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 237, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 237, 254);  
box-shadow:4px 4px 4px 4px rgb(226, 237,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8929, 0.2955, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 237, 254) }
```

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

```
.background{ background-color: rgb(226,  
237, 254) }
```

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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