

Converting Colors

$Yxy(85.6958, 0.2952, 0.3067)$

Have a look what the booklet for
Yxy(85.6958, 0.2952, 0.3067)
contains.

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Color

Yxy(85.3580, 0.2980, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	E7EEFF
RGB	231, 238, 255
RGB Percent	91%, 93%, 100%
CMY	0.0942, 0.0666, 0.0000
CMYK	0.09, 0.07, 0.00, 0.00
HSL	222°, 100%, 95%
HSV	222°, 9%, 100%
XYZ	81.5801, 85.3580, 106.8207
YIQ	237.8450, -9.6290, 3.8030

Conversions

Conversions Part 2

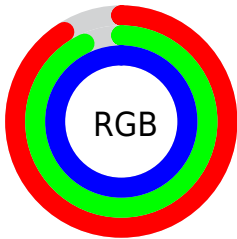
Format	Color
R _Y B	231, 236, 255
Decimal	15199999
CIE Lab	94.04, 0.88, -9.01
CIE LCh	94, 9.052, 275.548
Yxy	85.3580, 0.2980, 0.3118
Android (android.graphics.Color)	4293390079 (0xFFE7EEFF)
YUV	237.8450, 8.4574, -6.0031
Hunter-Lab	92.3894, -4.0654, -3.8786

Details

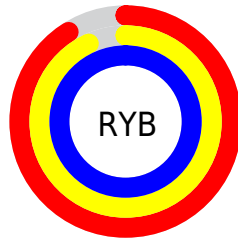
The Yxy color 85.3580, 0.2980, 0.3118 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.1476, 0.3275, 0.3456, and the grayscale version is 85.3106, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 46.6471, 0.2947, 0.3083 is the 20% darker color. If you saturate the color by 10%, you get 71.4358, 0.2812, 0.2914, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

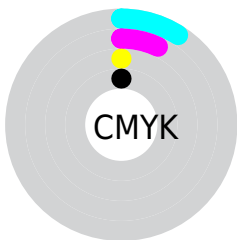
Distribution



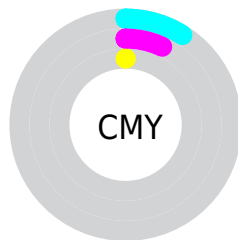
- Red (91%)
- Green (93%)
- Blue (100%)



- Red (91%)
- Yellow (93%)
- Blue (100%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3580, 0.2980, 0.3118 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 85.3580, 0.2980, 0.3118 by changing the saturation by 10% instead.

85.3580, 0.2980,
0.3118

85.3580, 0.2980,
0.3118

512.8119, 0.3046,
0.3195

64.1372, 0.2965,
0.3101

140.8732, 0.3003,
0.3144

46.7618, 0.2947,
0.3080

175.9365, 0.3011,
0.3155

32.8474, 0.2925,
0.3054

216.3827, 0.3019,
0.3164

22.0096, 0.2897,
0.3021

262.5963, 0.3026,
0.3171

13.8639, 0.2859,
0.2977

314.9616, 0.3032,
0.3178

8.0261, 0.2806,
0.2916

373.8630, 0.3037,

4.1116, 0.2727,

0.3185

0.2826

439.6850, 0.3042,
0.3190

■ 1.7362, 0.2599,
0.2680

■ 0.4469, 0.2211,
0.2215

■ 85.3580, 0.2980,
0.3118

■ 85.3580, 0.2980,
0.3118

■ 71.4358, 0.2812,
0.2914

100.0000, 0.3127,
0.3290

■ 59.1264, 0.2634,
0.2687

■ 48.3696, 0.2450,
0.2439

■ 39.1005, 0.2264,
0.2174

■ 31.2493, 0.2085,
0.1901

■ 24.7401, 0.1921,
0.1631

■ 19.4890, 0.1781,
0.1375

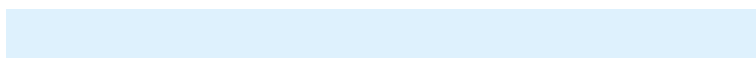
■ 15.4007, 0.1674,
0.1147

■ 12.3483, 0.1601,
0.0958

Harmonies

Analogous

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



85.3580, 0.2932, 0.3159



85.3580, 0.2980, 0.3118



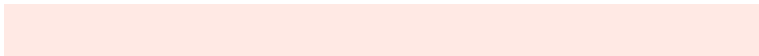
85.3580, 0.3067, 0.3122

Triad

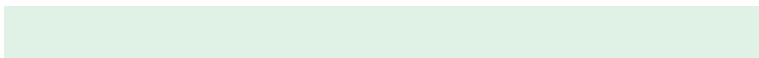
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3580, 0.2980, 0.3118



85.3580, 0.3322, 0.3338



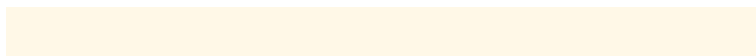
85.3580, 0.3081, 0.3416

Complementary

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



85.3580, 0.2980, 0.3118



94.1476, 0.3275, 0.3456

Split Complementary

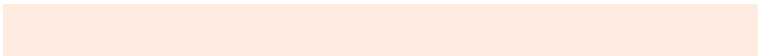
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3580, 0.3185, 0.3465



85.3580, 0.2980, 0.3118



85.3580, 0.3326, 0.3417

Square

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



85.3580, 0.2980, 0.3118



85.3580, 0.3266, 0.3247



85.3580, 0.3275, 0.3465



85.3580, 0.2990, 0.3332

Rectangle

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



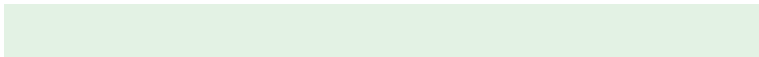
85.3580, 0.2980, 0.3118



85.3580, 0.3137, 0.3149



85.3580, 0.3275, 0.3465



85.3580, 0.3115, 0.3437

Sweetspot

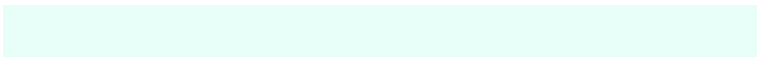
The Sweet Spot groups the original color and five complimentary colors.



85.3587, 0.2980, 0.3118



95.1730, 0.3082, 0.3238



95.2703, 0.3021, 0.3362



20.1004, 0.3069, 0.3223



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.



85.3587, 0.2980, 0.3118



83.0480, 0.2955, 0.3088



82.1573, 0.3011, 0.3049



18.2433, 0.2979, 0.3117



6.5952, 0.1605, 0.0976



0.8212, 0.1665, 0.1194

Inverse Universe

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



84.5747, 0.3247, 0.3221



82.1779, 0.3269, 0.3209



97.6487, 0.3237, 0.3525



18.0745, 0.3248, 0.3221



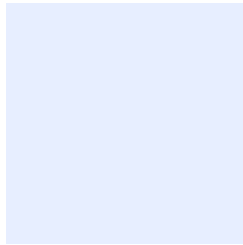
11.3937, 0.5795, 0.2966



1.1274, 0.5475, 0.2790

Previews

White Background



This preview shows how the Yxy color 85.3580, 0.2980, 0.3118 looks on a white background.

Color Contrast Check

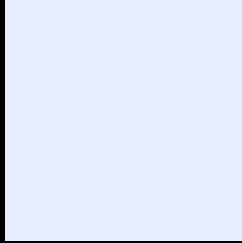
Large Text (above 18pt) WCAG AA × Fail

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 85.3580, 0.2980, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

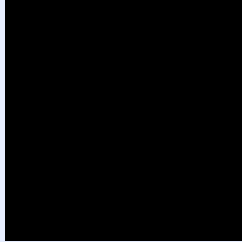
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

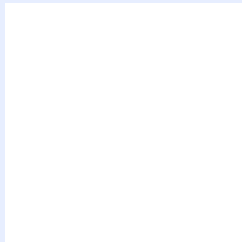
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3580, 0.2980, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 85.3580, 0.2980, 0.3118.



This preview shows how white text looks on a background with the Yxy color 85.3580, 0.2980, 0.3118.

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

85.3580, 0.2980, 0.3118

Protanopia

85.1512, 0.3024, 0.3110

Deuteranopia

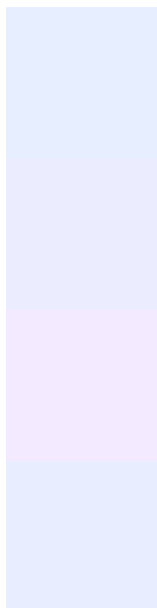
84.8811, 0.3111, 0.3056



Tritanopia

85.5249, 0.2987, 0.3119

Trichromacy



Original Color

85.3580, 0.2980, 0.3118

Protanomaly

85.3863, 0.3012, 0.3119

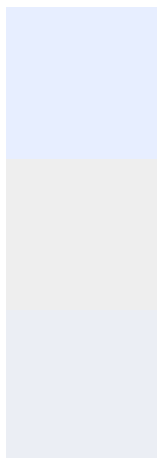
Deuteranomaly

85.2987, 0.3064, 0.3083

Tritanomaly

85.5249, 0.2987, 0.3119

Monochromacy



Original Color

85.3580, 0.2980, 0.3118

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.3429, 0.3071, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3580, 0.2980, 0.3118 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(231, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 238, 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(231, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.3580, 0.2980, 0.3118 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(231, 238, 255) }
```

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

```
.border{ border-color:rgb(231, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3580, 0.2980, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 238, 255) }
```

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

```
.background{ background-color: rgb(231,  
238, 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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