

Converting Colors

$Yxy(85.0828, 0.3028, 0.3187)$

Have a look what the booklet for
Yxy(85.0828, 0.3028, 0.3187)
contains.

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Color

Yxy(85.0822, 0.3028, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	E8EEF8
RGB	232, 238, 248
RGB Percent	91%, 93%, 97%
CMY	0.0900, 0.0667, 0.0274
CMYK	0.06, 0.04, 0.00, 0.03
HSL	218°, 53%, 94%
HSV	218°, 6%, 97%
XYZ	80.8121, 85.0822, 100.9884
YIQ	237.3460, -6.7860, 1.8380

Conversions

Conversions Part 2

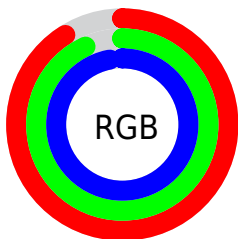
Format	Color
R _Y B	232, 236, 248
Decimal	15265528
CIE Lab	93.92, -0.11, -5.53
CIE LCh	94, 5.531, 268.867
Yxy	85.0822, 0.3028, 0.3188
Android (android.graphics.Color)	4293455608 (0xFFE8EEF8)
YUV	237.3460, 5.2524, -4.6884
Hunter-Lab	92.2400, -5.0350, -0.3453

Details

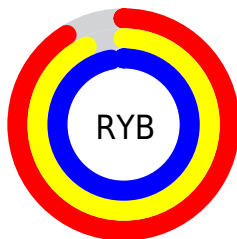
The Yxy color **85.0822, 0.3028, 0.3188** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.3486, 0.3228, 0.3390**, and the grayscale version is **84.9401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4918, 0.3000, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **72.5360, 0.2866, 0.3013**, and if you desaturate by 10%, it is **98.6533, 0.3168, 0.3343**.

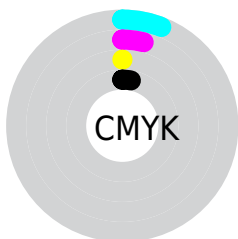
Distribution



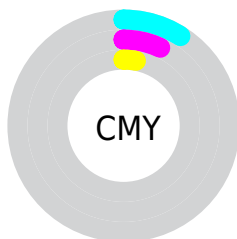
- Red (91%)
- Green (93%)
- Blue (97%)



- Red (91%)
- Yellow (93%)
- Blue (97%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (9%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0822, 0.3028, 0.3188 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 85.0822, 0.3028, 0.3188 by changing the saturation by 10% instead.

85.0822, 0.3028,
0.3188

85.0822, 0.3028,
0.3188

511.9000, 0.3073,
0.3234

63.9093, 0.3018,
0.3178

140.4880, 0.3043,
0.3204

46.5772, 0.3006,
0.3165

175.4897, 0.3049,
0.3210

32.7016, 0.2991,
0.3150

215.8698, 0.3054,
0.3215

21.8979, 0.2972,
0.3130

262.0127, 0.3059,
0.3220

13.7819, 0.2946,
0.3103

314.3028, 0.3063,
0.3224

7.9691, 0.2910,
0.3066

373.1244, 0.3067,

4.0752, 0.2856,

0.3228

0.3011

438.8620, 0.3070,
0.3231

■ 1.7157, 0.2767,
0.2919

■ 0.4338, 0.2406,
0.2548

■ 85.0822, 0.3028,
0.3188

■ 85.0822, 0.3028,
0.3188

■ 72.5360, 0.2866,
0.3013

■ 98.6533, 0.3168,
0.3343

■ 61.3137, 0.2695,
0.2819

■ 99.5588, 0.3167,
0.3357

■ 51.3721, 0.2519,
0.2606

■ 42.6615, 0.2342,
0.2376

■ 35.1286, 0.2170,
0.2135

■ 28.7156, 0.2011,
0.1889

■ 23.3591, 0.1872,
0.1647

■ 18.9872, 0.1759,
0.1419

■ 15.5150, 0.1677,
0.1216

Harmonies

Analogous

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



85.0822, 0.3005, 0.3220



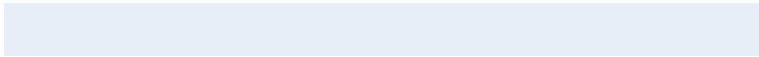
85.0822, 0.3028, 0.3188



85.0822, 0.3077, 0.3184

Triad

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



85.0822, 0.3028, 0.3188



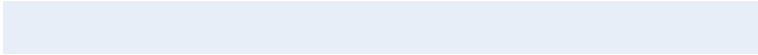
85.0822, 0.3241, 0.3308



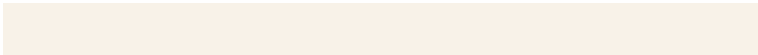
85.0822, 0.3113, 0.3375

Complementary

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



85.0822, 0.3028, 0.3188



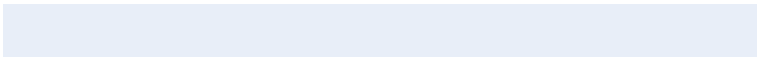
89.3486, 0.3228, 0.3390

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.



85.0822, 0.3176, 0.3399



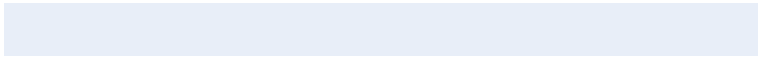
85.0822, 0.3028, 0.3188



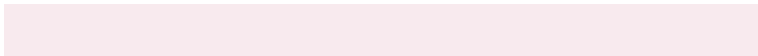
85.0822, 0.3251, 0.3359

Square

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



85.0822, 0.3028, 0.3188



85.0822, 0.3201, 0.3252



85.0822, 0.3227, 0.3393



85.0822, 0.3054, 0.3328

Rectangle

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



85.0822, 0.3028, 0.3188



85.0822, 0.3119, 0.3196



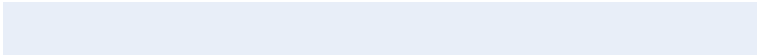
85.0822, 0.3227, 0.3393



85.0822, 0.3135, 0.3386

Sweetspot

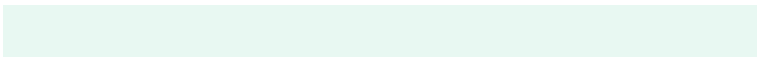
The Sweet Spot groups the original color and five complimentary colors.



85.0858, 0.3028, 0.3188



97.0175, 0.3097, 0.3259



90.7195, 0.3062, 0.3352



20.7971, 0.3098, 0.3261



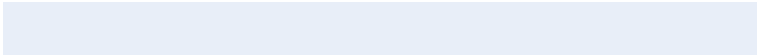
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



85.0858, 0.3028, 0.3188



88.4251, 0.3003, 0.3162



82.0015, 0.3041, 0.3128



17.6993, 0.2979, 0.3137



8.0549, 0.1661, 0.1179



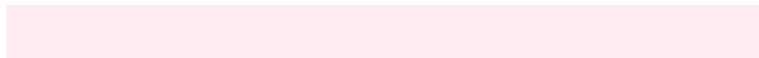
0.9415, 0.1726, 0.1415

Inverse Universe

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



83.8773, 0.3198, 0.3231



86.8694, 0.3217, 0.3216



92.6008, 0.3211, 0.3448



17.3319, 0.3235, 0.3202



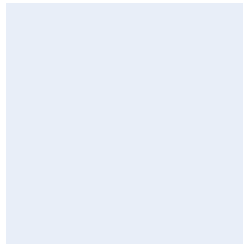
11.2240, 0.5497, 0.2802



1.0593, 0.5171, 0.2622

Previews

White Background



This preview shows how the Yxy color 85.0822, 0.3028, 0.3188 looks on a white background.

Color Contrast Check

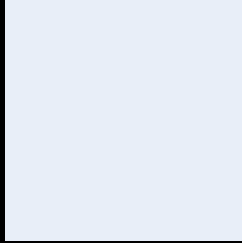
Large Text (above 18pt) WCAG AA × Fail

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 85.0822, 0.3028, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

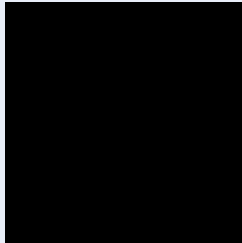
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

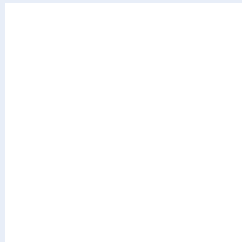
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0822, 0.3028, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 85.0822, 0.3028, 0.3188.

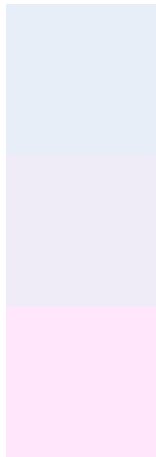


This preview shows how white text looks on a background with the Yxy color 85.0822, 0.3028, 0.3188.

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

85.0822, 0.3028, 0.3188

Protanopia

85.0570, 0.3080, 0.3180

Deuteranopia

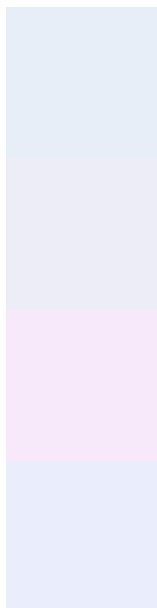
84.7558, 0.3170, 0.3096



Tritanopia

85.1120, 0.2993, 0.3109

Trichromacy



Original Color

85.0822, 0.3028, 0.3188

Protanomaly

85.1166, 0.3060, 0.3189

Deuteranomaly

84.8915, 0.3121, 0.3132

Tritanomaly

84.9203, 0.3011, 0.3139

Monochromacy



Original Color

85.0822, 0.3028, 0.3188

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.5814, 0.3089, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0822, 0.3028, 0.3188 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(232, 238, 248)` looks like.

```
.text, #text, p{  
    color:rgb(232, 238, 248)  
}
```

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(232, 238, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 238, 248) }
```

Border

The CSS property to change the border of an element to Yxy 85.0822, 0.3028, 0.3188 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(232, 238, 248) }
```

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

```
.border{ border-color:rgb(232, 238, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 238, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 238, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 238, 248);  
box-shadow:4px 4px 4px 4px rgb(232, 238,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0822, 0.3028, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 238, 248) }
```

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

```
.background{ background-color: rgb(232,  
238, 248) }
```

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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