

Converting Colors

$Yxy(84.8146, 0.3010, 0.3097)$

Have a look what the booklet for
Yxy(84.8146, 0.3010, 0.3097)
contains.

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Color

Yxy(85.0438, 0.3012, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	ECECFE
RGB	236, 236, 255
RGB Percent	93%, 93%, 100%
CMY	0.0746, 0.0745, 0.0000
CMYK	0.07, 0.07, 0.00, 0.00
HSL	240°, 100%, 96%
HSV	240°, 7%, 100%
XYZ	82.6297, 85.0438, 106.6614
YIQ	238.1660, -6.0990, 5.9090

Conversions

Conversions Part 2

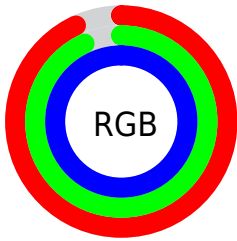
Format	Color
R _{YB}	236, 236, 255
Decimal	15527167
CIE Lab	93.90, 3.49, -9.14
CIE LCh	94, 9.786, 290.873
Yxy	85.0438, 0.3012, 0.3100
Android (android.graphics.Color)	4293717247 (0xFFECECFF)
YUV	238.1660, 8.2992, -1.8996
Hunter-Lab	92.2192, -1.4452, -4.0218

Details

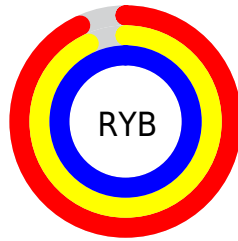
The Yxy color **85.0438, 0.3012, 0.3100** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **98.8037, 0.3238, 0.3473**, and the grayscale version is **85.5727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4230, 0.2987, 0.3059** is the 20% darker color. If you saturate the color by 10%, you get **67.3661, 0.2839, 0.2815**, and if you desaturate by 10%, it is **99.9996, 0.3127, 0.3290**.

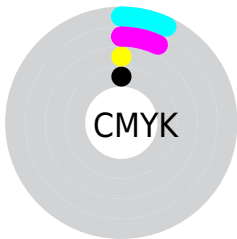
Distribution



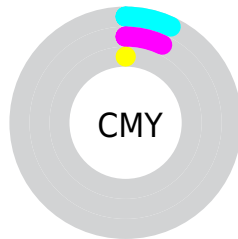
- Red (93%)
- Green (93%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0438, 0.3012, 0.3100 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 85.0438, 0.3012, 0.3100 by changing the saturation by 10% instead.

85.0438, 0.3012,
0.3100

85.0438, 0.3012,
0.3100

511.7730, 0.3064,
0.3185

63.8776, 0.3000,
0.3081

140.4344, 0.3030,
0.3129

46.5515, 0.2986,
0.3059

175.4275, 0.3037,
0.3140

32.6813, 0.2969,
0.3030

215.7984, 0.3043,
0.3150

21.8824, 0.2946,
0.2994

261.9314, 0.3048,
0.3159

13.7705, 0.2916,
0.2946

314.2110, 0.3053,
0.3166

7.9612, 0.2873,
0.2880

373.0215, 0.3057,

4.0701, 0.2810,

0.3173

0.2783

438.7474, 0.3061,
0.3179

■ 1.7129, 0.2705,
0.2627

■ 0.4320, 0.2424,
0.2113

■ 85.0438, 0.3012,
0.3100

■ 85.0438, 0.3012,
0.3100

■ 67.3661, 0.2839,
0.2815

99.9996, 0.3127,
0.3290

■ 52.2811, 0.2646,
0.2496

■ 39.6702, 0.2436,
0.2150

■ 29.4014, 0.2219,
0.1791

■ 21.3304, 0.2006,
0.1439

■ 15.2972, 0.1815,
0.1122

■ 11.1197, 0.1662,
0.0869

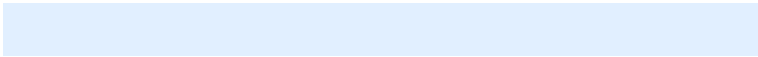
■ 8.5841, 0.1559,
0.0698

■ 7.4136, 0.1508,
0.0614

Harmonies

Analogous

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



85.0438, 0.2936, 0.3120



85.0438, 0.3012, 0.3100



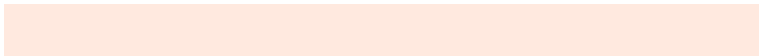
85.0438, 0.3120, 0.3129

Triad

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



85.0438, 0.3012, 0.3100



85.0438, 0.3348, 0.3388



85.0438, 0.3023, 0.3383

Complementary

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



85.0438, 0.3012, 0.3100



98.8037, 0.3238, 0.3473

Split Complementary

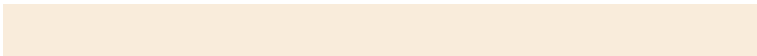
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0438, 0.3132, 0.3459



85.0438, 0.3012, 0.3100



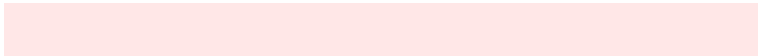
85.0438, 0.3321, 0.3460

Square

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



85.0438, 0.3012, 0.3100



85.0438, 0.3315, 0.3293



85.0438, 0.3241, 0.3486



85.0438, 0.2943, 0.3282

Rectangle

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



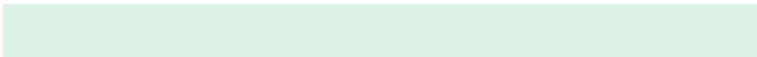
85.0438, 0.3012, 0.3100



85.0438, 0.3195, 0.3172



85.0438, 0.3241, 0.3486



85.0438, 0.3057, 0.3413

Sweetspot

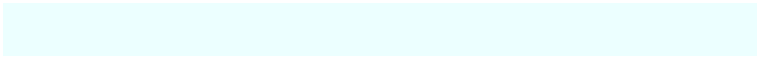
The Sweet Spot groups the original color and five complimentary colors.



85.0474, 0.3012, 0.3100



95.8414, 0.3097, 0.3241



96.5438, 0.3013, 0.3293



20.5575, 0.3099, 0.3243



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.



85.0474, 0.3012, 0.3100



82.1532, 0.2987, 0.3058



86.6381, 0.3071, 0.3103



17.3840, 0.2978, 0.3045



3.7815, 0.1501, 0.0601



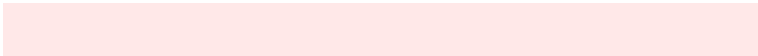
0.3703, 0.1501, 0.0604

Inverse Universe

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



87.2918, 0.3255, 0.3290



84.8332, 0.3284, 0.3290



97.1276, 0.3180, 0.3477



17.9877, 0.3294, 0.3290



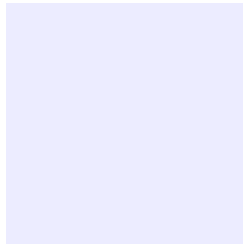
11.1097, 0.6399, 0.3299



1.0819, 0.6393, 0.3296

Previews

White Background



This preview shows how the Yxy color 85.0438, 0.3012, 0.3100 looks on a white background.

Color Contrast Check

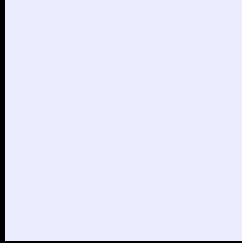
Large Text (above 18pt) WCAG AA × Fail

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 85.0438, 0.3012, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

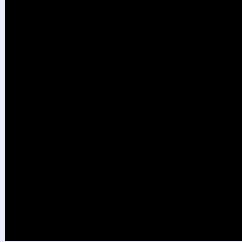
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.0438, 0.3012, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 85.0438, 0.3012, 0.3100.



This preview shows how white text looks on a background with the Yxy color 85.0438, 0.3012, 0.3100.

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

85.0438, 0.3012, 0.3100

Protanopia

85.0438, 0.3012, 0.3100

Deuteranopia

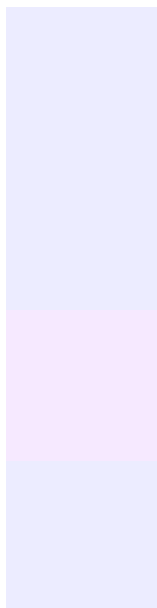
84.8811, 0.3111, 0.3056



Tritanopia

85.0438, 0.3012, 0.3100

Trichromacy



Original Color

85.0438, 0.3012, 0.3100

Protanomaly

85.0438, 0.3012, 0.3100

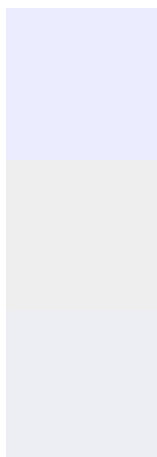
Deuteranomaly

85.0907, 0.3078, 0.3074

Tritanomaly

85.0438, 0.3012, 0.3100

Monochromacy



Original Color

85.0438, 0.3012, 0.3100

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.1046, 0.3084, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0438, 0.3012, 0.3100 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(236, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 236, 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(236, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.0438, 0.3012, 0.3100 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(236, 236, 255) }
```

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

```
.border{ border-color:rgb(236, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0438, 0.3012, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 236, 255) }
```

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

```
.background{ background-color: rgb(236,  
236, 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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