

Converting Colors

$Yxy(85.6265, 0.2987, 0.3069)$

Have a look what the booklet for
Yxy(85.6265, 0.2987, 0.3069)
contains.

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Color

Yxy(85.6212, 0.3012, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	ECEDFF
RGB	236, 237, 255
RGB Percent	93%, 93%, 100%
CMY	0.0746, 0.0706, 0.0000
CMYK	0.07, 0.07, 0.00, 0.00
HSL	237°, 100%, 96%
HSV	237°, 7%, 100%
XYZ	82.9232, 85.6212, 106.7650
YIQ	238.7530, -6.3740, 5.3860

Conversions

Conversions Part 2

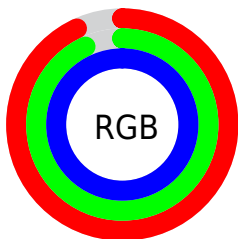
Format	Color
R _Y B	236, 237, 255
Decimal	15527423
CIE Lab	94.15, 2.98, -8.78
CIE LCh	94, 9.273, 288.755
Yxy	85.6212, 0.3012, 0.3110
Android (android.graphics.Color)	4293717503 (0xFFECEEDFF)
YUV	238.7530, 8.0098, -2.4144
Hunter-Lab	92.5317, -1.9661, -3.6378

Details

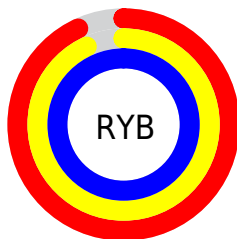
The Yxy color **85.6212, 0.3012, 0.3110** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **98.1862, 0.3239, 0.3464**, and the grayscale version is **86.0556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8283, 0.2988, 0.3072** is the 20% darker color. If you saturate the color by 10%, you get **68.5205, 0.2840, 0.2840**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

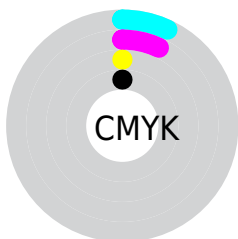
Distribution



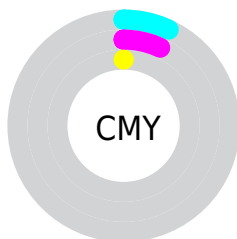
- Red (93%)
- Green (93%)
- Blue (100%)



- 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 85.6212, 0.3012, 0.3110 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 85.6212, 0.3012, 0.3110 by changing the saturation by 10% instead.


 85.6212, 0.3012,
0.3110

 85.6212, 0.3012,
0.3110

513.6813, 0.3064,
0.3190

 64.3548, 0.3000,
0.3092


141.2408, 0.3030,
0.3137

 46.9381, 0.2986,
0.3071


176.3627, 0.3037,
0.3148

 32.9867, 0.2969,
0.3044


216.8719, 0.3043,
0.3157

 22.1163, 0.2946,
0.3010

263.1529, 0.3048,
0.3166

 13.9424, 0.2916,
0.2965

315.5899, 0.3053,
0.3173

 8.0806, 0.2874,
0.2902

374.5673, 0.3057,

 4.1466, 0.2812,

0.3179

0.2810

440.4697, 0.3061,
0.3185

■ 1.7559, 0.2708,
0.2662

■ 0.4594, 0.2437,
0.2197

■ 85.6212, 0.3012,
0.3110

■ 85.6212, 0.3012,
0.3110

■ 68.5205, 0.2840,
0.2840

100.0000, 0.3127,
0.3290

■ 53.8190, 0.2650,
0.2538

■ 41.4126, 0.2445,
0.2210

■ 31.1852, 0.2233,
0.1865

■ 23.0110, 0.2025,
0.1524

■ 16.7511, 0.1836,
0.1208

■ 12.2493, 0.1681,
0.0943

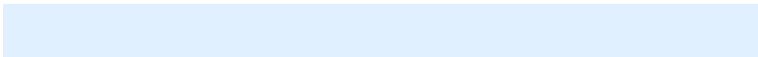
■ 9.3251, 0.1573,
0.0751

■ 7.7561, 0.1515,
0.0640

Harmonies

Analogous

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



85.6212, 0.2943, 0.3132



85.6212, 0.3012, 0.3110



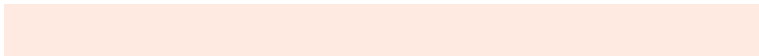
85.6212, 0.3112, 0.3134

Triad

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



85.6212, 0.3012, 0.3110



85.6212, 0.3336, 0.3377



85.6212, 0.3035, 0.3384

Complementary

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



85.6212, 0.3012, 0.3110



98.1862, 0.3239, 0.3464

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.



85.6212, 0.3139, 0.3453



85.6212, 0.3012, 0.3110



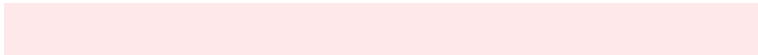
85.6212, 0.3314, 0.3447

Square

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



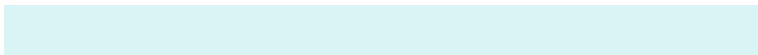
85.6212, 0.3012, 0.3110



85.6212, 0.3300, 0.3287



85.6212, 0.3241, 0.3475



85.6212, 0.2957, 0.3290

Rectangle

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



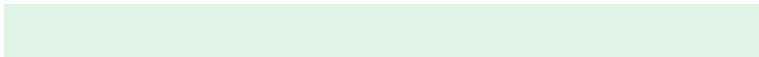
85.6212, 0.3012, 0.3110



85.6212, 0.3184, 0.3174



85.6212, 0.3241, 0.3475



85.6212, 0.3068, 0.3411

Sweetspot

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



85.6246, 0.3012, 0.3110



96.0048, 0.3097, 0.3244



96.4896, 0.3018, 0.3302



20.5908, 0.3099, 0.3246



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.



85.6246, 0.3012, 0.3110



82.8216, 0.2987, 0.3071



86.4782, 0.3065, 0.3103



17.5340, 0.2978, 0.3057



3.9954, 0.1509, 0.0632



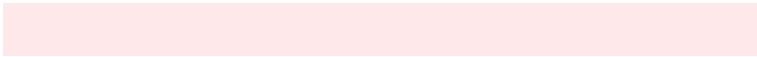
0.4416, 0.1530, 0.0707

Inverse Universe

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



87.3594, 0.3249, 0.3280



84.9007, 0.3277, 0.3278



97.3064, 0.3186, 0.3476



18.0029, 0.3286, 0.3278



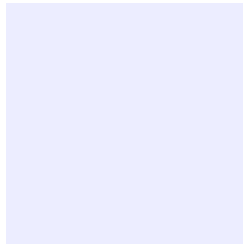
11.1313, 0.6347, 0.3270



1.0891, 0.6221, 0.3201

Previews

White Background



This preview shows how the Yxy color 85.6212, 0.3012, 0.3110 looks on a white background.

Color Contrast Check

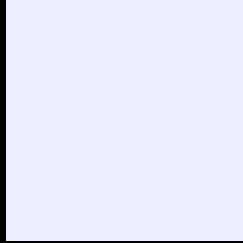
Large Text (above 18pt) WCAG AA × Fail

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 85.6212, 0.3012, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

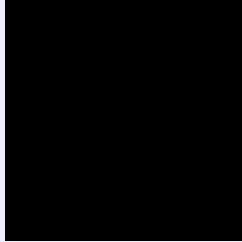
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6212, 0.3012, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 85.6212, 0.3012, 0.3110.



This preview shows how white text looks on a background with the Yxy color 85.6212, 0.3012, 0.3110.

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

85.6212, 0.3012, 0.3110

Protanopia

85.7929, 0.3018, 0.3110

Deuteranopia

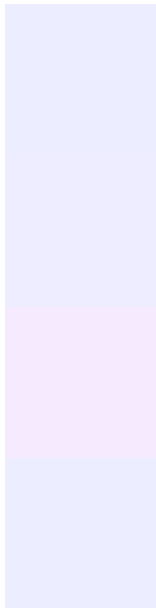
85.6287, 0.3118, 0.3067



Tritanopia

85.6212, 0.3012, 0.3110

Trichromacy



Original Color

85.6212, 0.3012, 0.3110

Protanomaly

85.7929, 0.3018, 0.3110

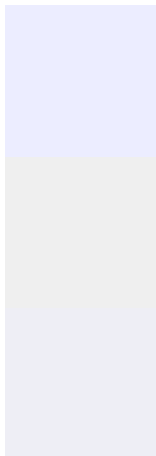
Deuteranomaly

85.6585, 0.3077, 0.3084

Tritanomaly

85.6212, 0.3012, 0.3110

Monochromacy



Original Color

85.6212, 0.3012, 0.3110

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.9188, 0.3085, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6212, 0.3012, 0.3110 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, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.6212, 0.3012, 0.3110 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, 237, 255) }
```

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

```
.border{ border-color:rgb(236, 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(236, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 237, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 237, 255); box-shadow:4px 4px 4px 4px rgb(236, 237, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6212, 0.3012, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 237, 255) }
```

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

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