

Converting Colors

$Yxy(85.8576, 0.3036, 0.3138)$

Have a look what the booklet for
Yxy(85.8576, 0.3036, 0.3138)
contains.

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Color

Yxy(85.6012, 0.3036, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	EDEDFC
RGB	237, 237, 252
RGB Percent	93%, 93%, 99%
CMY	0.0708, 0.0705, 0.0118
CMYK	0.06, 0.06, 0.00, 0.01
HSL	240°, 71%, 96%
HSV	240°, 6%, 99%
XYZ	82.7660, 85.6012, 104.2481
YIQ	238.7100, -4.8150, 4.6650

Conversions

Conversions Part 2

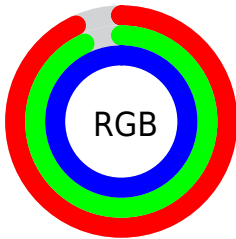
Format	Color
R _Y B	237, 237, 252
Decimal	15592956
CIE Lab	94.14, 2.72, -7.22
CIE LCh	94, 7.716, 290.614
Yxy	85.6012, 0.3036, 0.3140
Android (android.graphics.Color)	4293783036 (0xFFEDEDFC)
YUV	238.7100, 6.5520, -1.4997
Hunter-Lab	92.5209, -2.2317, -2.0405

Details

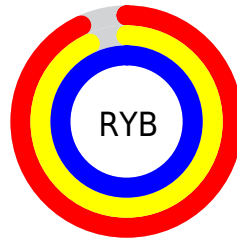
The Yxy color **85.6012, 0.3036, 0.3140** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96.3766, 0.3216, 0.3436**, and the grayscale version is **86.0272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8116, 0.3018, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **68.0460, 0.2866, 0.2861**, and if you desaturate by 10%, it is **99.8078, 0.3144, 0.3319**.

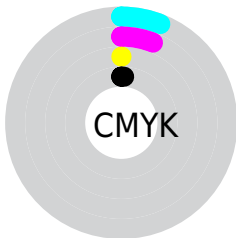
Distribution



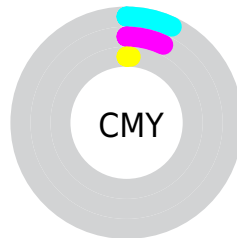
- Red (93%)
- Green (93%)
- Blue (99%)



- Red (93%)
- Yellow (93%)
- Blue (99%)



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (7%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6012, 0.3036, 0.3140 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 85.6012, 0.3036, 0.3140 by changing the saturation by 10% instead.

85.6012, 0.3036,
0.3140

85.6012, 0.3036,
0.3140

513.6153, 0.3077,
0.3207

64.3383, 0.3027,
0.3125

141.2128, 0.3050,
0.3163

46.9247, 0.3016,
0.3107

176.3303, 0.3056,
0.3172

32.9761, 0.3002,
0.3085

216.8348, 0.3060,
0.3180

22.1082, 0.2984,
0.3056

263.1106, 0.3065,
0.3186

13.9364, 0.2960,
0.3018

315.5421, 0.3068,
0.3193

8.0764, 0.2926,
0.2966

374.5138, 0.3072,

4.1439, 0.2876,

0.3198

0.2888

440.4101, 0.3074,
0.3203

■ 1.7544, 0.2794,
0.2762

■ 0.4585, 0.2555,
0.2333

■ 85.6012, 0.3036,
0.3140

■ 85.6012, 0.3036,
0.3140

■ 68.0460, 0.2866,
0.2861

99.8078, 0.3144,
0.3319

■ 53.0186, 0.2676,
0.2548

■ 40.4059, 0.2469,
0.2206

■ 30.0820, 0.2253,
0.1849

■ 21.9098, 0.2039,
0.1495

■ 15.7374, 0.1843,
0.1172

■ 11.3932, 0.1683,
0.0906

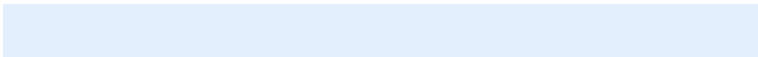
■ 8.6766, 0.1572,
0.0721

■ 7.3397, 0.1514,
0.0623

Harmonies

Analogous

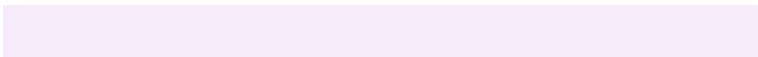
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6012, 0.2976, 0.3157



85.6012, 0.3036, 0.3140



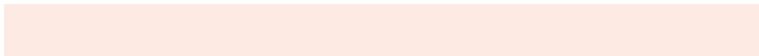
85.6012, 0.3121, 0.3163

Triad

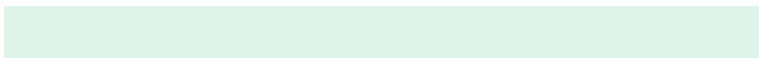
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6012, 0.3036, 0.3140



85.6012, 0.3301, 0.3367



85.6012, 0.3046, 0.3364

Complementary

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



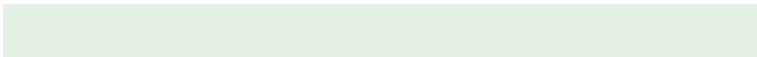
85.6012, 0.3036, 0.3140



96.3766, 0.3216, 0.3436

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.



85.6012, 0.3132, 0.3422



85.6012, 0.3036, 0.3140



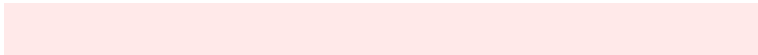
85.6012, 0.3280, 0.3423

Square

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



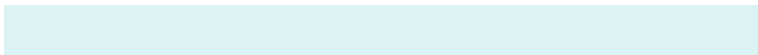
85.6012, 0.3036, 0.3140



85.6012, 0.3274, 0.3292



85.6012, 0.3218, 0.3444



85.6012, 0.2982, 0.3285

Rectangle

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



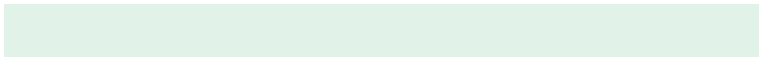
85.6012, 0.3036, 0.3140



85.6012, 0.3180, 0.3197



85.6012, 0.3218, 0.3444



85.6012, 0.3073, 0.3387

Sweetspot

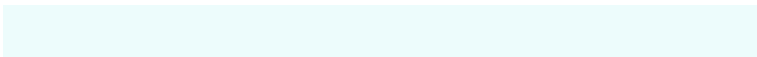
The Sweet Spot groups the original color and five complimentary colors.



85.6048, 0.3036, 0.3140



95.8496, 0.3097, 0.3241



94.6238, 0.3036, 0.3292



20.5592, 0.3099, 0.3244



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.



85.6048, 0.3036, 0.3140



85.9547, 0.3019, 0.3113



86.8401, 0.3083, 0.3142



17.3829, 0.3010, 0.3097



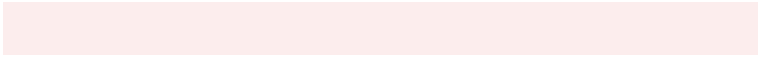
3.6806, 0.1501, 0.0603



0.3454, 0.1503, 0.0610

Inverse Universe

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



87.3494, 0.3228, 0.3290



88.0434, 0.3246, 0.3290



95.0899, 0.3169, 0.3438



17.8450, 0.3257, 0.3289



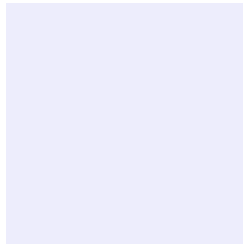
10.7825, 0.6396, 0.3297



0.9991, 0.6384, 0.3290

Previews

White Background



This preview shows how the Yxy color 85.6012, 0.3036, 0.3140 looks on a white background.

Color Contrast Check

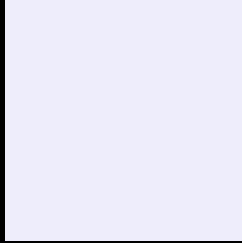
Large Text (above 18pt) WCAG AA × Fail

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 85.6012, 0.3036, 0.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

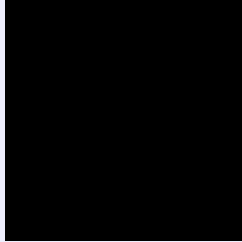
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6012, 0.3036, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 85.6012, 0.3036, 0.3140.



This preview shows how white text looks on a background with the Yxy color 85.6012, 0.3036, 0.3140.

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

85.6012, 0.3036, 0.3140

Protanopia

85.7738, 0.3043, 0.3140

Deuteranopia

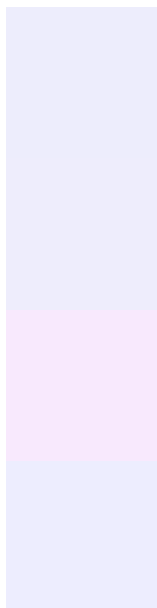
85.3145, 0.3144, 0.3077



Tritanopia

85.7929, 0.3018, 0.3110

Trichromacy



Original Color

85.6012, 0.3036, 0.3140

Protanomaly

85.7738, 0.3043, 0.3140

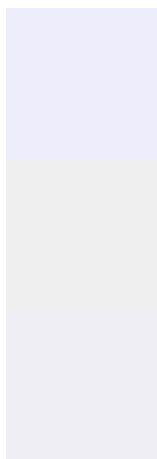
Deuteranomaly

85.3261, 0.3103, 0.3094

Tritanomaly

85.7287, 0.3024, 0.3120

Monochromacy



Original Color

85.6012, 0.3036, 0.3140

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.8579, 0.3091, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6012, 0.3036, 0.3140 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(237, 237, 252)` looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 252)  
}
```

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(237, 237, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 252) }
```

Border

The CSS property to change the border of an element to Yxy 85.6012, 0.3036, 0.3140 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(237, 237, 252) }
```

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

```
.border{ border-color:rgb(237, 237, 252) }
```

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

Here you see how a box with a 4 pixel rgb(237, 237, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 237, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 237, 252);  
box-shadow:4px 4px 4px 4px rgb(237, 237,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6012, 0.3036, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 237, 252) }
```

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

```
.background{ background-color: rgb(237,  
237, 252) }
```

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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