

Converting Colors

Yxy(82.9522, 0.3015, 0.3178)

Have a look what the booklet for
Yxy(82.9522, 0.3015, 0.3178)
contains.

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Color

Yxy(82.5645, 0.3014, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	E4EBF6
RGB	228, 235, 246
RGB Percent	89%, 92%, 96%
CMY	0.1060, 0.0784, 0.0353
CMYK	0.07, 0.04, 0.00, 0.04
HSL	217°, 50%, 93%
HSV	217°, 7%, 96%
XYZ	78.3284, 82.5645, 98.9890
YIQ	234.1610, -7.7030, 1.9370

Conversions

Conversions Part 2

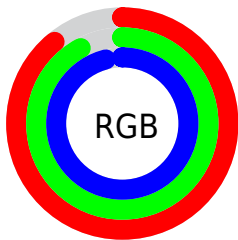
Format	Color
R _Y B	228, 233, 246
Decimal	15002614
CIE Lab	92.82, -0.29, -6.12
CIE LCh	93, 6.129, 267.266
Yxy	82.5645, 0.3014, 0.3177
Android (android.graphics.Color)	4293192694 (0xFFE4EBF6)
YUV	234.1610, 5.8366, -5.4032
Hunter-Lab	90.8650, -5.1413, -0.9855

Details

The Yxy color **82.5645, 0.3014, 0.3177** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.8903, 0.3242, 0.3401**, and the grayscale version is **82.3653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8421, 0.2990, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **70.6078, 0.2851, 0.3006**, and if you desaturate by 10%, it is **95.8228, 0.3167, 0.3329**.

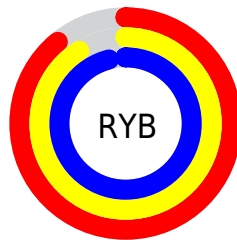
Distribution



Red (89%)

Green (92%)

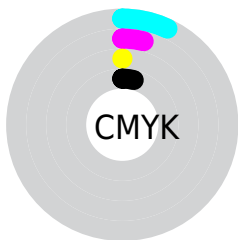
Blue (96%)



Red (89%)

Yellow (91%)

Blue (96%)

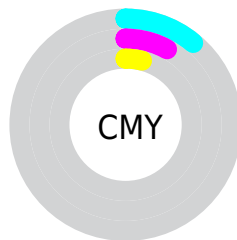


Cyan (7%)

Magenta (4%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (8%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5645, 0.3014, 0.3177 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 82.5645, 0.3014, 0.3177 by changing the saturation by 10% instead.

82.5645, 0.3014,
0.3177

82.5645, 0.3014,
0.3177

503.5340, 0.3065,
0.3228

61.8309, 0.3003,
0.3166

136.9653, 0.3032,
0.3195

44.8961, 0.2989,
0.3152

171.4014, 0.3038,
0.3201

31.3756, 0.2971,
0.3134

211.1738, 0.3044,
0.3207

20.8850, 0.2949,
0.3112

256.6669, 0.3050,
0.3213

13.0400, 0.2919,
0.3081

308.2650, 0.3054,
0.3217

7.4561, 0.2876,
0.3039

366.3527, 0.3058,

3.7489, 0.2813,

0.3221

0.2975

431.3142, 0.3062,
0.3225

■ 1.5341, 0.2707,
0.2868

■ 0.3126, 0.2115,
0.2280

■ 82.5645, 0.3014,
0.3177

■ 82.5645, 0.3014,
0.3177

■ 70.6078, 0.2851,
0.3006

■ 95.8228, 0.3167,
0.3329

■ 59.9004, 0.2681,
0.2817

■ 99.4333, 0.3179,
0.3376

■ 50.4017, 0.2507,
0.2609

■ 42.0647, 0.2332,
0.2386

■ 34.8391, 0.2164,
0.2151

■ 28.6699, 0.2009,
0.1912

■ 23.4969, 0.1874,
0.1677

■ 19.2514, 0.1766,
0.1455

■ 15.8500, 0.1686,
0.1255

Harmonies

Analogous

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



82.5645, 0.2990, 0.3214



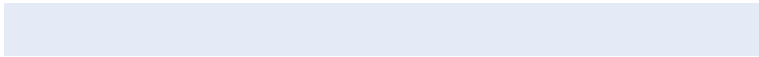
82.5645, 0.3014, 0.3177



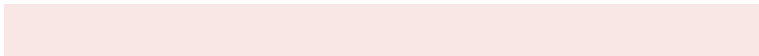
82.5645, 0.3068, 0.3170

Triad

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



82.5645, 0.3014, 0.3177



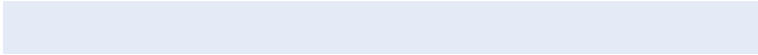
82.5645, 0.3253, 0.3306



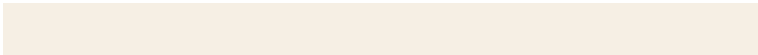
82.5645, 0.3115, 0.3388

Complementary

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



82.5645, 0.3014, 0.3177



86.8903, 0.3242, 0.3401

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.



82.5645, 0.3186, 0.3413



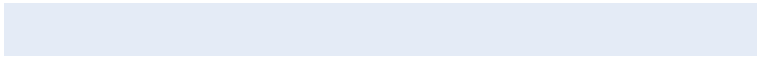
82.5645, 0.3014, 0.3177



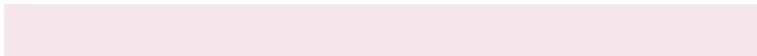
82.5645, 0.3266, 0.3364

Square

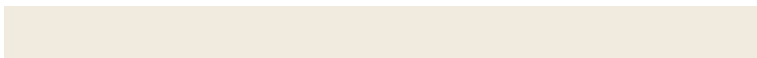
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



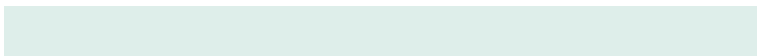
82.5645, 0.3014, 0.3177



82.5645, 0.3206, 0.3245



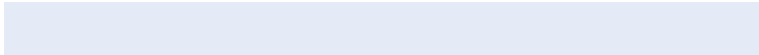
82.5645, 0.3241, 0.3404



82.5645, 0.3048, 0.3336

Rectangle

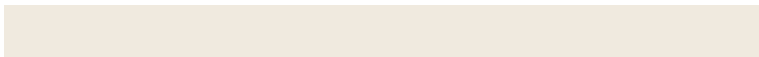
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



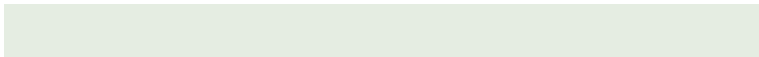
82.5645, 0.3014, 0.3177



82.5645, 0.3114, 0.3184



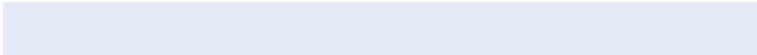
82.5645, 0.3241, 0.3404



82.5645, 0.3139, 0.3400

Sweetspot

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



82.5680, 0.3014, 0.3177



97.0801, 0.3097, 0.3260



88.6142, 0.3055, 0.3364



20.8098, 0.3098, 0.3262



0.0000, 0.0000, 0.0000



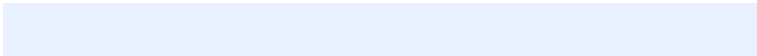
21.4041, 0.3127, 0.3290

Same Dimension

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



82.5680, 0.3014, 0.3177



87.3099, 0.2987, 0.3150



78.9070, 0.3026, 0.3104



16.9897, 0.2980, 0.3142



8.2906, 0.1677, 0.1236



0.9225, 0.1745, 0.1483

Inverse Universe

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



81.0592, 0.3206, 0.3219



85.3538, 0.3226, 0.3202



90.7731, 0.3224, 0.3471



16.5898, 0.3232, 0.3198



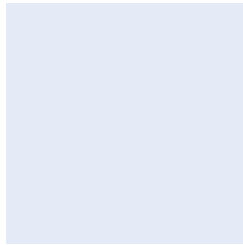
10.9363, 0.5416, 0.2757



0.9808, 0.5081, 0.2573

Previews

White Background



This preview shows how the Yxy color 82.5645, 0.3014, 0.3177 looks on a white background.

Color Contrast Check

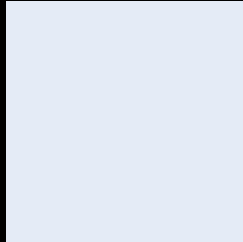
Large Text (above 18pt) WCAG AA × Fail

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 82.5645, 0.3014, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

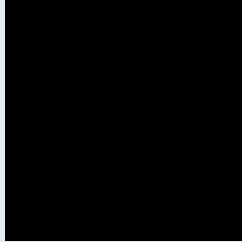
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

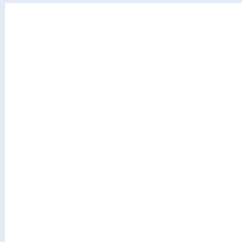
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.5645, 0.3014, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 82.5645, 0.3014, 0.3177.



This preview shows how white text looks on a background with the Yxy color 82.5645, 0.3014, 0.3177.

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

82.5645, 0.3014, 0.3177

Protanopia

82.5326, 0.3066, 0.3168

Deuteranopia

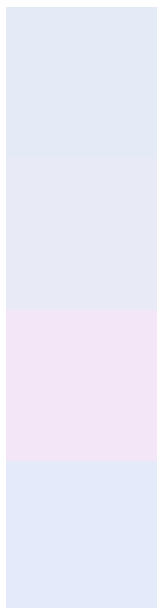
82.2247, 0.3157, 0.3083



Tritanopia

82.5955, 0.2979, 0.3096

Trichromacy



Original Color

82.5645, 0.3014, 0.3177

Protanomaly

82.5940, 0.3046, 0.3178

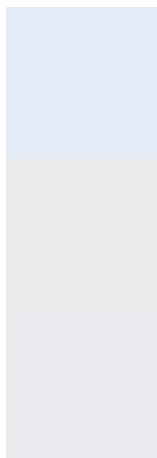
Deuteranomaly

82.3637, 0.3108, 0.3120

Tritanomaly

82.4058, 0.2997, 0.3126

Monochromacy



Original Color

82.5645, 0.3014, 0.3177

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.1745, 0.3089, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5645, 0.3014, 0.3177 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(228, 235, 246)` looks like.

```
.text, #text, p{  
    color:rgb(228, 235, 246)  
}
```

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(228, 235, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 235, 246) }
```

Border

The CSS property to change the border of an element to Yxy 82.5645, 0.3014, 0.3177 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(228, 235, 246) }
```

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

```
.border{ border-color:rgb(228, 235, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 235, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 235, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 235, 246);  
box-shadow:4px 4px 4px 4px rgb(228, 235,  
246) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.5645, 0.3014, 0.3177$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 235, 246) }
```

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

```
.background{ background-color: rgb(228,  
235, 246) }
```

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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