

Converting Colors

Yxy(86.5104, 0.3025, 0.3147)

Have a look what the booklet for
Yxy(86.5104, 0.3025, 0.3147)
contains.

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Color

Yxy(86.6577, 0.3024, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	ECEFFD
RGB	236, 239, 253
RGB Percent	93%, 94%, 99%
CMY	0.0744, 0.0627, 0.0079
CMYK	0.07, 0.06, 0.00, 0.01
HSL	229°, 81%, 96%
HSV	229°, 7%, 99%
XYZ	83.1914, 86.6577, 105.2547
YIQ	239.6990, -6.2820, 3.7180

Conversions

Conversions Part 2

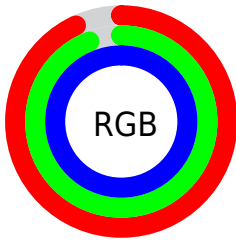
Format	Color
RYB	236, 239, 253
Decimal	15527933
CIELab	94.59, 1.59, -7.08
CIELCh	95, 7.252, 282.648
Yxy	86.6577, 0.3024, 0.3150
Android (android.graphics.Color)	4293718013 (0xFFECEFFD)
YUV	239.6990, 6.5574, -3.2440
Hunter-Lab	93.0901, -3.3885, -1.8747

Details

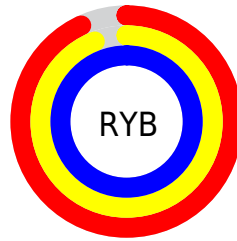
The Yxy color **86.6577, 0.3024, 0.3150** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.3123, 0.3229, 0.3426**, and the grayscale version is **86.8456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5558, 0.3003, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **71.1160, 0.2857, 0.2918**, and if you desaturate by 10%, it is **99.8707, 0.3139, 0.3309**.

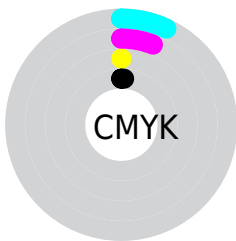
Distribution



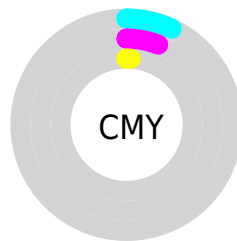
- Red (93%)
- Green (94%)
- Blue (99%)



- Red (93%)
- Yellow (94%)
- Blue (99%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (7%)
- Magenta (6%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6577, 0.3024, 0.3150 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 86.6577, 0.3024, 0.3150 by changing the saturation by 10% instead.

86.6577, 0.3024,
0.3150

86.6577, 0.3024,
0.3150

517.0974, 0.3070,
0.3213

65.2120, 0.3014,
0.3136

142.6869, 0.3040,
0.3171

47.6330, 0.3001,
0.3119

178.0392, 0.3046,
0.3180

33.5363, 0.2986,
0.3099

218.7958, 0.3051,
0.3187

22.5376, 0.2966,
0.3072

265.3412, 0.3056,
0.3193

14.2525, 0.2939,
0.3036

318.0596, 0.3060,
0.3199

8.2965, 0.2902,
0.2988

377.3355, 0.3064,

4.2852, 0.2847,

0.3204

0.2915

443.5533, 0.3067,
0.3209

■ 1.8344, 0.2757,
0.2798

■ 0.5085, 0.2508,
0.2443

■ 86.6577, 0.3024,
0.3150

■ 86.6577, 0.3024,
0.3150

■ 71.1160, 0.2857,
0.2918

99.8707, 0.3139,
0.3309

■ 57.5200, 0.2675,
0.2659

■ 45.7956, 0.2481,
0.2374

■ 35.8597, 0.2282,
0.2071

■ 27.6227, 0.2086,
0.1761

■ 20.9874, 0.1904,
0.1458

■ 15.8460, 0.1749,
0.1182

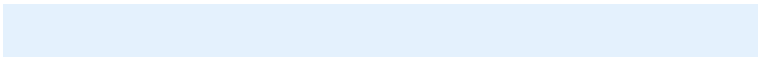
■ 12.0768, 0.1631,
0.0951

■ 9.5364, 0.1556,
0.0780

Harmonies

Analogous

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



86.6577, 0.2977, 0.3175



86.6577, 0.3024, 0.3150



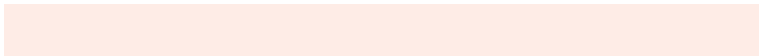
86.6577, 0.3099, 0.3162

Triad

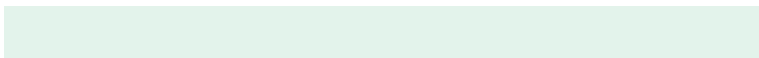
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6577, 0.3024, 0.3150



86.6577, 0.3287, 0.3345



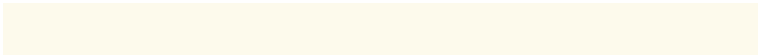
86.6577, 0.3071, 0.3376

Complementary

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



86.6577, 0.3024, 0.3150



95.3123, 0.3229, 0.3426

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.



86.6577, 0.3154, 0.3423



86.6577, 0.3024, 0.3150



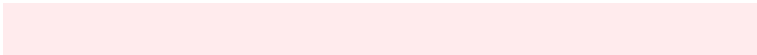
86.6577, 0.3279, 0.3404

Square

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



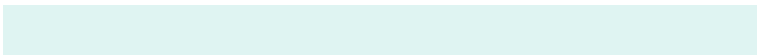
86.6577, 0.3024, 0.3150



86.6577, 0.3252, 0.3273



86.6577, 0.3230, 0.3433



86.6577, 0.3004, 0.3306

Rectangle

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



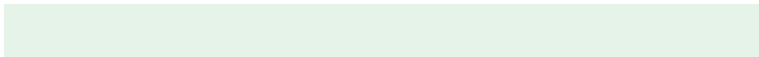
86.6577, 0.3024, 0.3150



86.6577, 0.3155, 0.3188



86.6577, 0.3230, 0.3433



86.6577, 0.3098, 0.3395

Sweetspot

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



86.6614, 0.3024, 0.3150



96.3919, 0.3097, 0.3250



94.9710, 0.3040, 0.3321



20.6697, 0.3099, 0.3252



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.



86.6614, 0.3024, 0.3150



86.0682, 0.3003, 0.3121



85.8662, 0.3059, 0.3122



17.8930, 0.2979, 0.3088



4.8919, 0.1543, 0.0756



0.6110, 0.1593, 0.0936

Inverse Universe

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



87.1166, 0.3222, 0.3261



86.6315, 0.3243, 0.3255



96.1830, 0.3192, 0.3456



18.0391, 0.3267, 0.3249



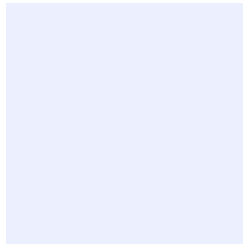
11.2218, 0.6141, 0.3157



1.1062, 0.5856, 0.3000

Previews

White Background



This preview shows how the Yxy color 86.6577, 0.3024, 0.3150 looks on a white background.

Color Contrast Check

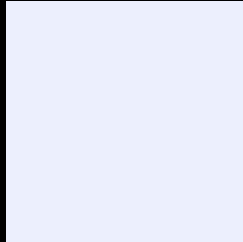
Large Text (above 18pt) WCAG AA × Fail

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 86.6577, 0.3024, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

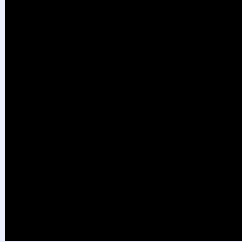
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

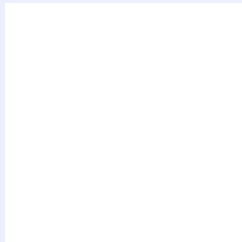
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6577, 0.3024, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 86.6577, 0.3024, 0.3150.

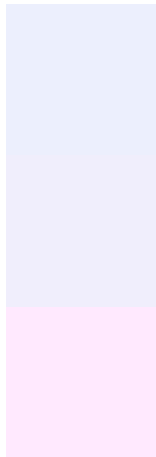


This preview shows how white text looks on a background with the Yxy color 86.6577, 0.3024, 0.3150.

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

86.6577, 0.3024, 0.3150

Protanopia

86.7026, 0.3055, 0.3151

Deuteranopia

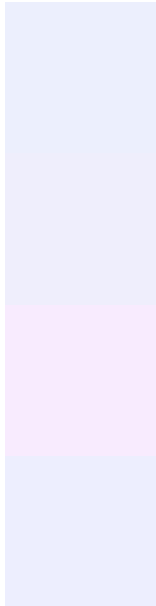
86.6936, 0.3143, 0.3087



Tritanopia

86.3736, 0.3018, 0.3120

Trichromacy



Original Color

86.6577, 0.3024, 0.3150

Protanomaly

86.5281, 0.3049, 0.3150

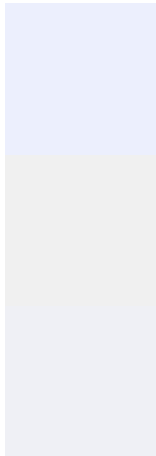
Deuteranomaly

86.5289, 0.3096, 0.3104

Tritanomaly

86.3094, 0.3024, 0.3130

Monochromacy



Original Color

86.6577, 0.3024, 0.3150

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.2635, 0.3090, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6577, 0.3024, 0.3150 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, 239, 253)` looks like.

```
.text, #text, p{  
    color:rgb(236, 239, 253)  
}
```

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, 239, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 239, 253) }
```

Border

The CSS property to change the border of an element to Yxy 86.6577, 0.3024, 0.3150 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, 239, 253) }
```

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

```
.border{ border-color:rgb(236, 239, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 239, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 239, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 239, 253); box-shadow:4px 4px 4px 4px rgb(236, 239, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6577, 0.3024, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 239, 253) }
```

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

```
.background{ background-color: rgb(236,  
239, 253) }
```

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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