

Converting Colors

$Yxy(87.0816, 0.2971, 0.3152)$

Have a look what the booklet for
Yxy(87.0816, 0.2971, 0.3152)
contains.

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Color

Yxy(86.7886, 0.2968, 0.3148)

Conversions

Conversions Part 1

Format	Color
Hex	E5F1FF
RGB	229, 241, 255
RGB Percent	90%, 95%, 100%
CMY	0.1019, 0.0549, 0.0000
CMYK	0.10, 0.05, 0.00, 0.00
HSL	212°, 100%, 95%
HSV	212°, 10%, 100%
XYZ	81.8261, 86.7886, 107.0797
YIQ	239.0080, -11.6460, 1.8100

Conversions

Conversions Part 2

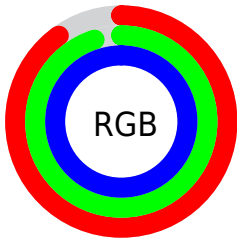
Format	Color
R _Y B	229, 237, 255
Decimal	15069695
CIE Lab	94.65, -1.28, -8.12
CIE LCh	95, 8.217, 261.018
Yxy	86.7886, 0.2968, 0.3148
Android (android.graphics.Color)	4293259775 (0xFFE5F1FF)
YUV	239.0080, 7.8841, -8.7770
Hunter-Lab	93.1604, -6.2478, -2.9364

Details

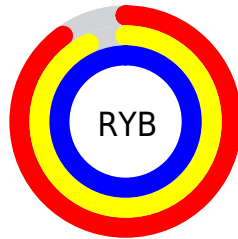
The Yxy color **86.7886, 0.2968, 0.3148** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.0284, 0.3293, 0.3428**, and the grayscale version is **86.2690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6594, 0.2932, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **75.0682, 0.2805, 0.2993**, and if you desaturate by 10%, it is **99.7407, 0.3124, 0.3288**.

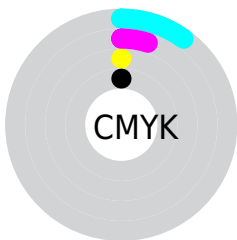
Distribution



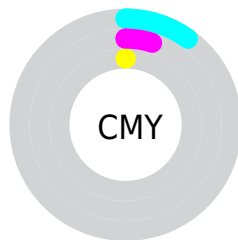
- Red (90%)
- Green (95%)
- Blue (100%)



- Red (90%)
- Yellow (93%)
- Blue (100%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7886, 0.2968, 0.3148 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 86.7886, 0.2968, 0.3148 by changing the saturation by 10% instead.

86.7886, 0.2968,
0.3148

86.7886, 0.2968,
0.3148

517.5280, 0.3039,
0.3212

65.3203, 0.2952,
0.3134

142.8694, 0.2992,
0.3170

47.7208, 0.2933,
0.3117

178.2508, 0.3002,
0.3178

33.6059, 0.2909,
0.3095

219.0385, 0.3010,
0.3186

22.5910, 0.2879,
0.3068

265.6171, 0.3017,
0.3192

14.2918, 0.2839,
0.3031

318.3710, 0.3024,
0.3198

8.3239, 0.2783,
0.2980

377.6845, 0.3029,

4.3029, 0.2701,

0.3203

0.2905

443.9420, 0.3035,
0.3208

■ 1.8444, 0.2568,
0.2782

■ 0.5146, 0.2170,
0.2439

■ 86.7886, 0.2968,
0.3148

■ 86.7886, 0.2968,
0.3148

■ 75.0682, 0.2805,
0.2993

99.7407, 0.3124,
0.3288

■ 64.5361, 0.2638,
0.2821

100.0000, 0.3127,
0.3290

■ 55.1509, 0.2469,
0.2634

■ 46.8670, 0.2304,
0.2434

■ 39.6352, 0.2149,
0.2225

■ 33.4017, 0.2009,
0.2012

■ 28.1066, 0.1889,
0.1801

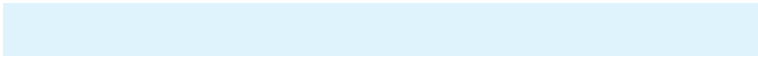
■ 23.6805, 0.1795,
0.1600

■ 20.0830, 0.1727,
0.1417

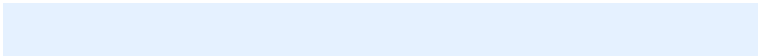
Harmonies

Analogous

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



86.7886, 0.2947, 0.3203



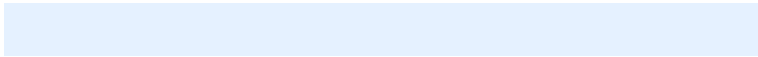
86.7886, 0.2968, 0.3148



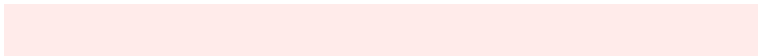
86.7886, 0.3032, 0.3131

Triad

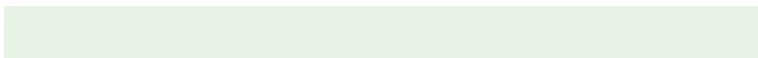
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7886, 0.2968, 0.3148



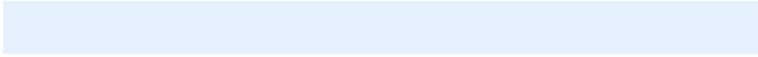
86.7886, 0.3284, 0.3294



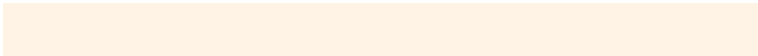
86.7886, 0.3131, 0.3430

Complementary

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



86.7886, 0.2968, 0.3148



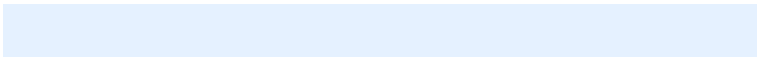
91.0284, 0.3293, 0.3428

Split Complementary

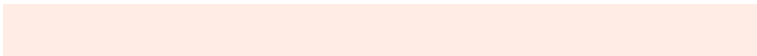
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7886, 0.3222, 0.3453



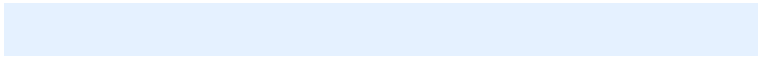
86.7886, 0.2968, 0.3148



86.7886, 0.3311, 0.3373

Square

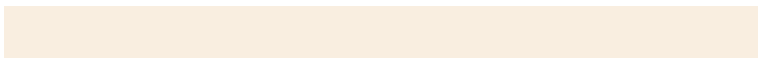
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7886, 0.2968, 0.3148



86.7886, 0.3214, 0.3215



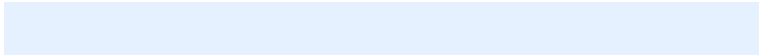
86.7886, 0.3288, 0.3432



86.7886, 0.3040, 0.3367

Rectangle

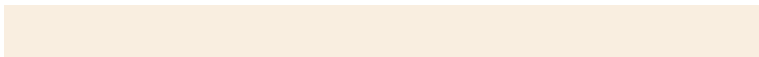
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



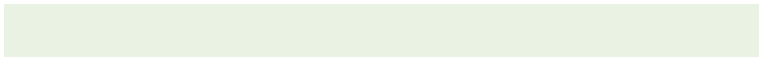
86.7886, 0.2968, 0.3148



86.7886, 0.3090, 0.3143



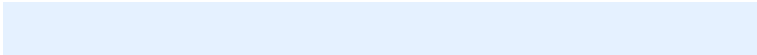
86.7886, 0.3288, 0.3432



86.7886, 0.3162, 0.3443

Sweetspot

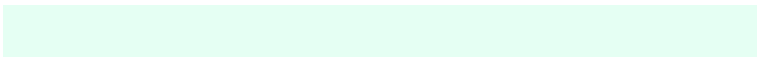
The Sweet Spot groups the original color and five complimentary colors.



86.7896, 0.2968, 0.3148



95.9760, 0.3081, 0.3250



94.6436, 0.3037, 0.3412



20.3167, 0.3069, 0.3239



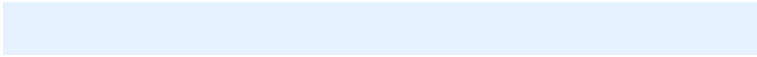
0.0000, 0.0000, 0.0000



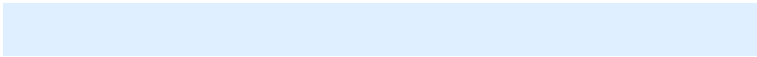
21.4041, 0.3127, 0.3290

Same Dimension

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



86.7896, 0.2968, 0.3148



84.5790, 0.2939, 0.3122



80.0692, 0.2972, 0.3025



18.7583, 0.2979, 0.3159



10.7850, 0.1735, 0.1447



1.2658, 0.1795, 0.1661

Inverse Universe

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



83.6569, 0.3229, 0.3173



80.9898, 0.3249, 0.3151



98.2740, 0.3274, 0.3542



18.1265, 0.3221, 0.3181



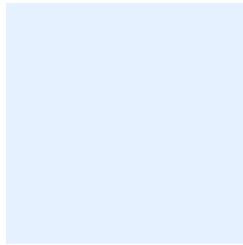
11.8167, 0.5129, 0.2599



1.1723, 0.4854, 0.2448

Previews

White Background



This preview shows how the Yxy color 86.7886, 0.2968, 0.3148 looks on a white background.

Color Contrast Check

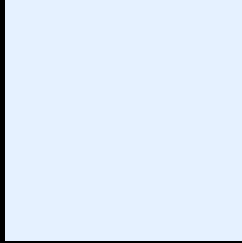
Large Text (above 18pt) WCAG AA × Fail

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 86.7886, 0.2968, 0.3148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

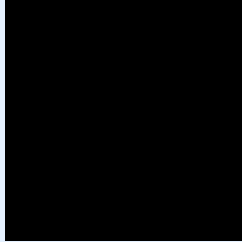
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

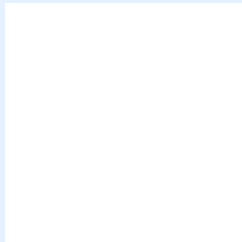
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7886, 0.2968, 0.3148

Background



This preview shows how black text looks on a background with the Yxy color 86.7886, 0.2968, 0.3148.



This preview shows how white text looks on a background with the Yxy color 86.7886, 0.2968, 0.3148.

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

86.7886, 0.2968, 0.3148

Protanopia

86.7662, 0.3049, 0.3141

Deuteranopia

86.3805, 0.3124, 0.3077



Tritanopia

86.6960, 0.2987, 0.3139

Trichromacy



Original Color

86.7886, 0.2968, 0.3148

Protanomaly

86.7216, 0.3018, 0.3140

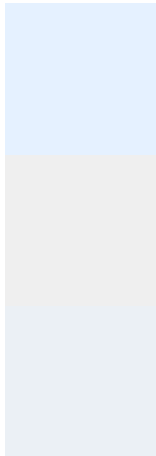
Deuteranomaly

86.4440, 0.3064, 0.3103

Tritanomaly

86.5291, 0.2981, 0.3139

Monochromacy



Original Color

86.7886, 0.2968, 0.3148

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.5749, 0.3065, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7886, 0.2968, 0.3148 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(229, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 241, 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(229, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.7886, 0.2968, 0.3148 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(229, 241, 255) }
```

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

```
.border{ border-color:rgb(229, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7886, 0.2968, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 241, 255) }
```

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

```
.background{ background-color: rgb(229,  
241, 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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