

Converting Colors

$Yxy(88.3464, 0.2823, 0.2837)$

Have a look what the booklet for
Yxy(88.3464, 0.2823, 0.2837)
contains.

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Color

Yxy(86.2766, 0.2993, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	E9EFFF
RGB	233, 239, 255
RGB Percent	91%, 94%, 100%
CMY	0.0862, 0.0627, 0.0000
CMYK	0.09, 0.06, 0.00, 0.00
HSL	224°, 100%, 96%
HSV	224°, 9%, 100%
XYZ	82.5266, 86.2766, 106.9289
YIQ	239.0300, -8.7120, 3.7040

Conversions

Conversions Part 2

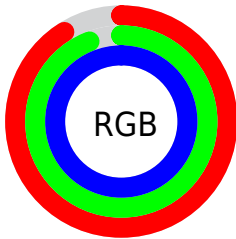
Format	Color
R _Y B	233, 238, 255
Decimal	15331327
CIE Lab	94.43, 1.01, -8.40
CIE LCh	94, 8.460, 276.860
Yxy	86.2766, 0.2993, 0.3129
Android (android.graphics.Color)	4293521407 (0xFFE9EFFF)
YUV	239.0300, 7.8732, -5.2883
Hunter-Lab	92.8852, -3.9554, -3.2347

Details

The Yxy color **86.2766, 0.2993, 0.3129** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.9053, 0.3262, 0.3446**, and the grayscale version is **86.2864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2913, 0.2963, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **71.9775, 0.2826, 0.2921**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

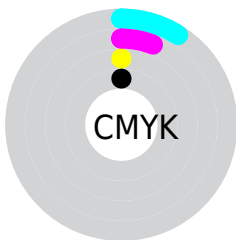
Distribution



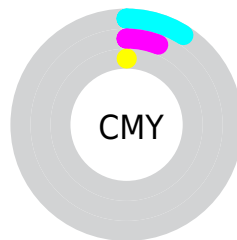
- Red (91%)
- Green (94%)
- Blue (100%)



- Red (91%)
- Yellow (93%)
- Blue (100%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2766, 0.2993, 0.3129 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 86.2766, 0.2993, 0.3129 by changing the saturation by 10% instead.

86.2766, 0.2993,
0.3129

86.2766, 0.2993,
0.3129

515.8428, 0.3053,
0.3201

64.8967, 0.2980,
0.3113

142.1554, 0.3014,
0.3154

47.3773, 0.2963,
0.3094

177.4231, 0.3022,
0.3163

33.3341, 0.2943,
0.3070

218.0889, 0.3029,
0.3172

22.3825, 0.2917,
0.3039

264.5372, 0.3035,
0.3179

14.1382, 0.2883,
0.2998

317.1523, 0.3040,
0.3185

8.2169, 0.2835,
0.2942

376.3187, 0.3045,

4.2340, 0.2764,

0.3191

0.2858

442.4207, 0.3049,
0.3196

■ 1.8053, 0.2648,
0.2723

■ 0.4905, 0.2325,
0.2323

■ 86.2766, 0.2993,
0.3129

■ 86.2766, 0.2993,
0.3129

■ 71.9775, 0.2826,
0.2921

100.0000, 0.3127,
0.3290

■ 59.3522, 0.2647,
0.2688

■ 48.3394, 0.2461,
0.2434

■ 38.8713, 0.2272,
0.2164

■ 30.8752, 0.2090,
0.1884

■ 24.2720, 0.1922,
0.1607

■ 18.9742, 0.1779,
0.1346

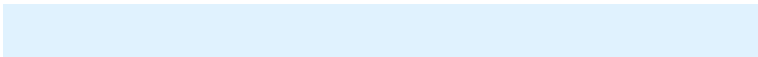
■ 14.8829, 0.1668,
0.1115

■ 11.8732, 0.1593,
0.0927

Harmonies

Analogous

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



86.2766, 0.2947, 0.3166



86.2766, 0.2993, 0.3129



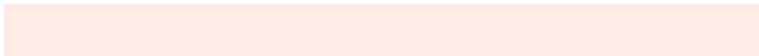
86.2766, 0.3076, 0.3134

Triad

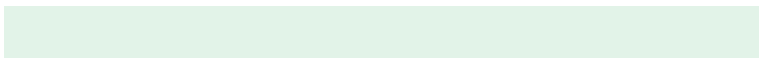
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.2766, 0.2993, 0.3129



86.2766, 0.3310, 0.3338



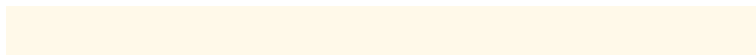
86.2766, 0.3080, 0.3404

Complementary

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



86.2766, 0.2993, 0.3129



94.9053, 0.3262, 0.3446

Split Complementary

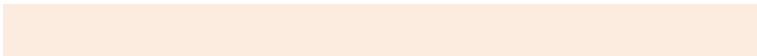
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2766, 0.3177, 0.3452



86.2766, 0.2993, 0.3129



86.2766, 0.3311, 0.3411

Square

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



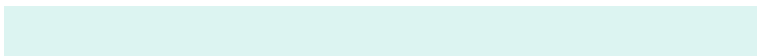
86.2766, 0.2993, 0.3129



86.2766, 0.3259, 0.3254



86.2766, 0.3262, 0.3454



86.2766, 0.2996, 0.3325

Rectangle

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



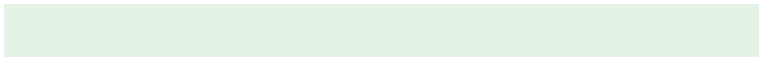
86.2766, 0.2993, 0.3129



86.2766, 0.3140, 0.3161



86.2766, 0.3262, 0.3454



86.2766, 0.3112, 0.3425

Sweetspot

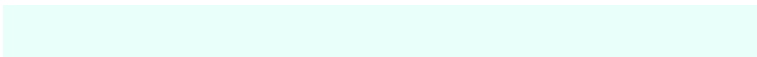
The Sweet Spot groups the original color and five complimentary colors.



86.2788, 0.2993, 0.3129



95.0768, 0.3082, 0.3236



95.6715, 0.3028, 0.3352



20.0745, 0.3069, 0.3221



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.



86.2788, 0.2993, 0.3129



84.2055, 0.2971, 0.3102



83.6453, 0.3024, 0.3070



18.1821, 0.2979, 0.3112



6.2337, 0.1592, 0.0931



0.7792, 0.1651, 0.1145

Inverse Universe

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



85.7784, 0.3239, 0.3232



83.6575, 0.3258, 0.3222



97.7718, 0.3225, 0.3505



18.0683, 0.3251, 0.3226



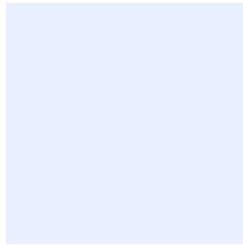
11.3573, 0.5864, 0.3004



1.1232, 0.5546, 0.2829

Previews

White Background



This preview shows how the Yxy color 86.2766, 0.2993, 0.3129 looks on a white background.

Color Contrast Check

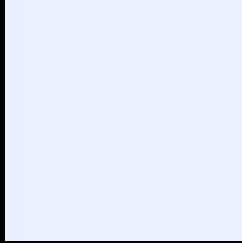
Large Text (above 18pt) WCAG AA × Fail

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 86.2766, 0.2993, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

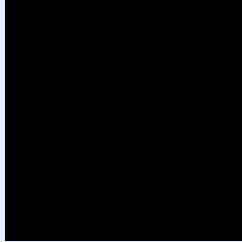
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

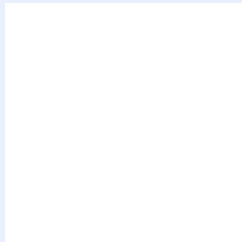
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.2766, 0.2993, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 86.2766, 0.2993, 0.3129.



This preview shows how white text looks on a background with the Yxy color 86.2766, 0.2993, 0.3129.

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

86.2766, 0.2993, 0.3129

Protanopia

86.0749, 0.3037, 0.3121

Deuteranopia

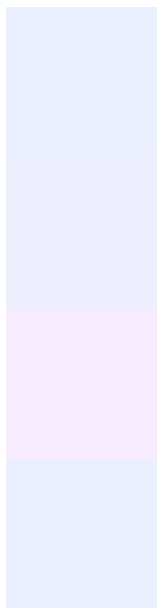
86.3805, 0.3124, 0.3077



Tritanopia

86.4454, 0.2999, 0.3130

Trichromacy



Original Color

86.2766, 0.2993, 0.3129

Protanomaly

86.3094, 0.3024, 0.3130

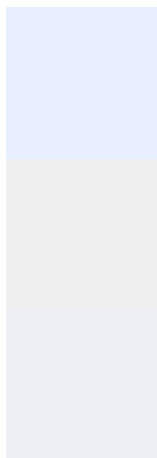
Deuteranomaly

86.2295, 0.3077, 0.3094

Tritanomaly

86.4454, 0.2999, 0.3130

Monochromacy



Original Color

86.2766, 0.2993, 0.3129

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.3301, 0.3078, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2766, 0.2993, 0.3129 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(233, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 239, 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(233, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.2766, 0.2993, 0.3129 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(233, 239, 255) }
```

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

```
.border{ border-color:rgb(233, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2766, 0.2993, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 239, 255) }
```

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

```
.background{ background-color: rgb(233,  
239, 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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