

Converting Colors

$Yxy(87.8024, 0.2940, 0.3177)$

Have a look what the booklet for
Yxy(87.8024, 0.2940, 0.3177)
contains.

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Color

Yxy(87.7687, 0.2938, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	E0F4FF
RGB	224, 244, 255
RGB Percent	88%, 96%, 100%
CMY	0.1216, 0.0431, 0.0000
CMYK	0.12, 0.04, 0.00, 0.00
HSL	201°, 100%, 94%
HSV	201°, 12%, 100%
XYZ	81.1405, 87.7687, 107.2667
YIQ	239.2740, -15.4510, -0.8190

Conversions

Conversions Part 2

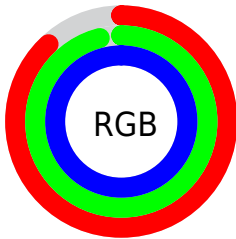
Format	Color
R _Y B	224, 236, 255
Decimal	14742783
CIE Lab	95.06, -4.40, -7.52
CIE LCh	95, 8.712, 239.636
Yxy	87.7687, 0.2938, 0.3178
Android (android.graphics.Color)	4292932863 (0xFFE0F4FF)
YUV	239.2740, 7.7529, -13.3953
Hunter-Lab	93.6850, -9.3499, -2.3060

Details

The Yxy color **87.7687, 0.2938, 0.3178** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.0532, 0.3334, 0.3399**, and the grayscale version is **86.4909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4787, 0.2902, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **78.6902, 0.2781, 0.3075**, and if you desaturate by 10%, it is **97.7324, 0.3094, 0.3271**.

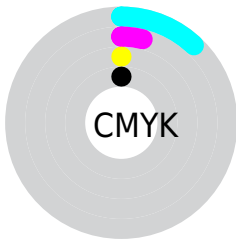
Distribution



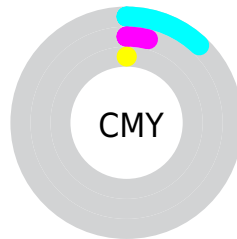
- Red (88%)
- Green (96%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7687, 0.2938, 0.3178 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 87.7687, 0.2938, 0.3178 by changing the saturation by 10% instead.

 87.7687, 0.2938,
0.3178

 87.7687, 0.2938,
0.3178


520.7455, 0.3022,
0.3229

 66.1315, 0.2920,
0.3167


144.2351, 0.2967,
0.3195

 48.3792, 0.2897,
0.3153


179.8331, 0.2978,
0.3202

 34.1273, 0.2869,
0.3136

220.8535, 0.2988,
0.3208

 22.9914, 0.2833,
0.3113

267.6807, 0.2996,
0.3213

 14.5871, 0.2786,
0.3084

320.6992, 0.3004,
0.3218

 8.5302, 0.2722,
0.3043

380.2931, 0.3011,

 4.4360, 0.2627,

0.3222

0.2981

446.8471, 0.3017,
0.3225

■ 1.9203, 0.2475,
0.2878

■ 0.5606, 0.1995,
0.2629

■ 87.7687, 0.2938,
0.3178

■ 87.7687, 0.2938,
0.3178

■ 78.6902, 0.2781,
0.3075

■ 97.7324, 0.3094,
0.3271

■ 70.4550, 0.2626,
0.2962

99.9997, 0.3127,
0.3290

■ 63.0339, 0.2477,
0.2841

■ 56.3911, 0.2337,
0.2712

■ 50.4879, 0.2211,
0.2578

■ 45.2809, 0.2102,
0.2440

■ 40.7210, 0.2013,
0.2302

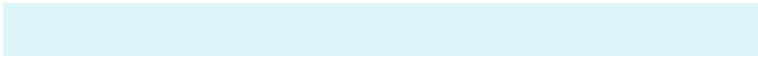
■ 36.7492, 0.1946,
0.2165

■ 33.9784, 0.1906,
0.2060

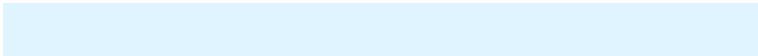
Harmonies

Analogous

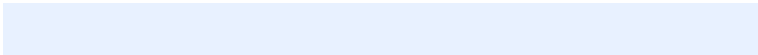
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7687, 0.2951, 0.3257



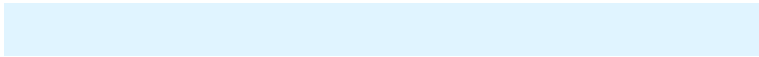
87.7687, 0.2938, 0.3178



87.7687, 0.2974, 0.3130

Triad

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



87.7687, 0.2938, 0.3178



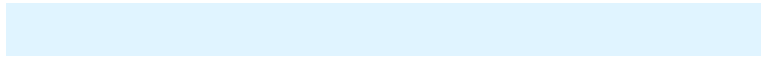
87.7687, 0.3244, 0.3233



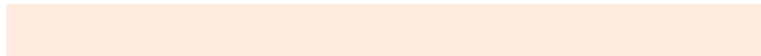
87.7687, 0.3201, 0.3461

Complementary

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



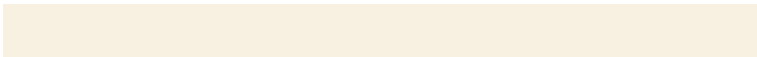
87.7687, 0.2938, 0.3178



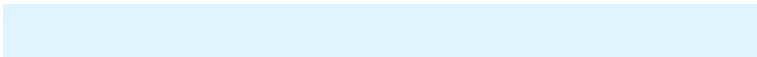
86.0532, 0.3334, 0.3399

Split Complementary

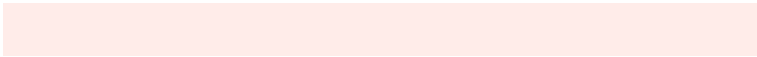
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7687, 0.3281, 0.3451



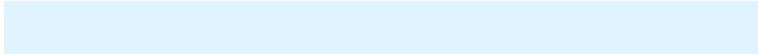
87.7687, 0.2938, 0.3178



87.7687, 0.3306, 0.3319

Square

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



87.7687, 0.2938, 0.3178



87.7687, 0.3150, 0.3163



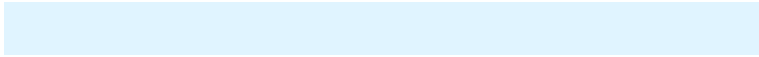
87.7687, 0.3320, 0.3398



87.7687, 0.3102, 0.3423

Rectangle

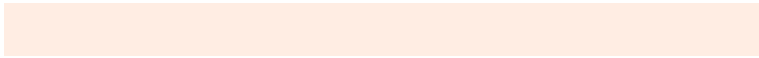
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7687, 0.2938, 0.3178



87.7687, 0.3022, 0.3122



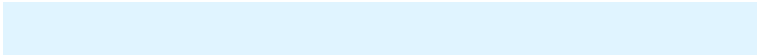
87.7687, 0.3320, 0.3398



87.7687, 0.3231, 0.3463

Sweetspot

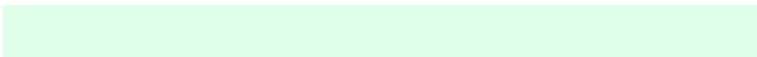
The Sweet Spot groups the original color and five complimentary colors.



87.7724, 0.2938, 0.3178



95.8306, 0.3065, 0.3255



93.3541, 0.3051, 0.3496



20.3473, 0.3054, 0.3248



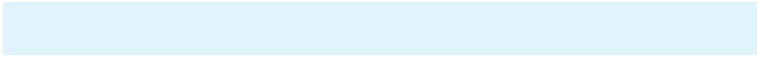
0.0000, 0.0000, 0.0000



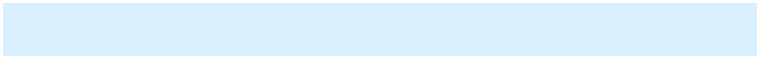
21.4041, 0.3127, 0.3290

Same Dimension

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



87.7724, 0.2938, 0.3178



85.1033, 0.2893, 0.3150



78.9135, 0.2935, 0.3019



19.3340, 0.2980, 0.3204



18.0471, 0.1912, 0.2083



1.9633, 0.1954, 0.2236

Inverse Universe

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



81.1040, 0.3213, 0.3094



77.1340, 0.3236, 0.3046



95.2277, 0.3315, 0.3548



18.1846, 0.3193, 0.3138



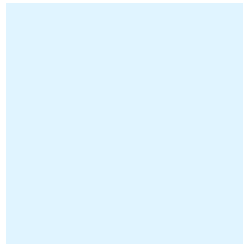
12.5498, 0.4360, 0.2176



1.2427, 0.4194, 0.2084

Previews

White Background



This preview shows how the Yxy color 87.7687, 0.2938, 0.3178 looks on a white background.

Color Contrast Check

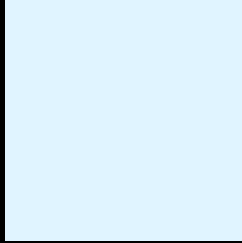
Large Text (above 18pt) WCAG AA × Fail

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 87.7687, 0.2938, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

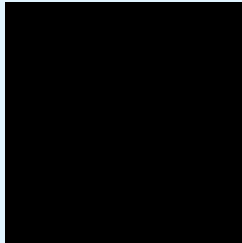
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

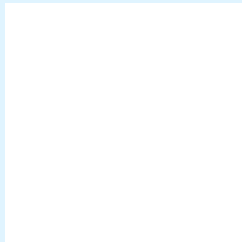
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7687, 0.2938, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 87.7687, 0.2938, 0.3178.



This preview shows how white text looks on a background with the Yxy color 87.7687, 0.2938, 0.3178.

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

87.7687, 0.2938, 0.3178

Protanopia

87.4621, 0.3062, 0.3161

Deuteranopia

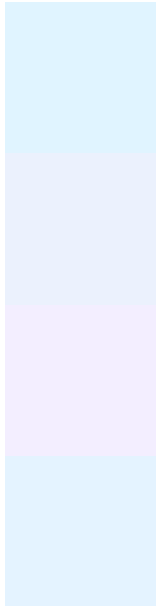
87.1365, 0.3130, 0.3087



Tritanopia

87.7132, 0.2981, 0.3159

Trichromacy



Original Color

87.7687, 0.2938, 0.3178

Protanomaly

87.6646, 0.3017, 0.3170

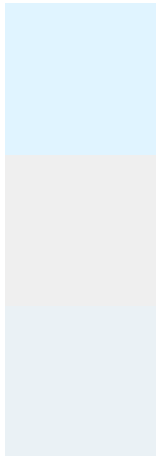
Deuteranomaly

87.4238, 0.3057, 0.3122

Tritanomaly

87.8152, 0.2962, 0.3169

Monochromacy



Original Color

87.7687, 0.2938, 0.3178

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.9956, 0.3058, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7687, 0.2938, 0.3178 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(224, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 244, 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(224, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.7687, 0.2938, 0.3178 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(224, 244, 255) }
```

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

```
.border{ border-color:rgb(224, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7687, 0.2938, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 244, 255) }
```

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

```
.background{ background-color: rgb(224,  
244, 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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