

Converting Colors

$Yxy(86.5920, 0.2943, 0.3156)$

Have a look what the booklet for
Yxy(86.5920, 0.2943, 0.3156)
contains.

Yxy(86.7318, 0.2944, 0.3158)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.7318, 0.2944, 0.3158)

Conversions

Conversions Part 1

Format	Color
Hex	E1F2FF
RGB	225, 242, 255
RGB Percent	88%, 95%, 100%
CMY	0.1175, 0.0510, 0.0001
CMYK	0.12, 0.05, 0.00, 0.00
HSL	206°, 100%, 94%
HSV	206°, 12%, 100%
XYZ	80.8545, 86.7318, 107.0553
YIQ	238.3990, -14.3050, 0.4390

Conversions

Conversions Part 2

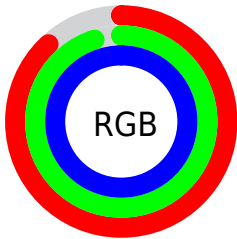
Format	Color
R _Y B	225, 236, 255
Decimal	14807807
CIE Lab	94.62, -3.07, -8.14
CIE LCh	95, 8.702, 249.349
Yxy	86.7318, 0.2944, 0.3158
Android (android.graphics.Color)	4292997887 (0xFFE1F2FF)
YUV	238.3990, 8.1843, -11.7509
Hunter-Lab	93.1299, -8.0054, -2.9645

Details

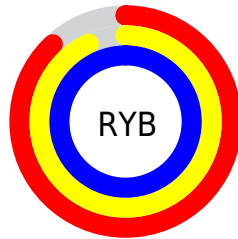
The Yxy color **86.7318, 0.2944, 0.3158** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.8335, 0.3324, 0.3419**, and the grayscale version is **85.7729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7411, 0.2909, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **76.5640, 0.2784, 0.3032**, and if you desaturate by 10%, it is **97.9154, 0.3100, 0.3272**.

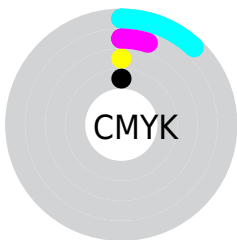
Distribution



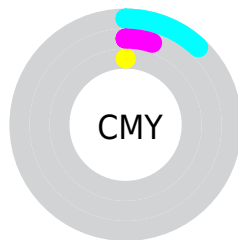
- Red (88%)
- Green (95%)
- Blue (100%)



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



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7318, 0.2944, 0.3158 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 86.7318, 0.2944, 0.3158 by changing the saturation by 10% instead.

86.7318, 0.2944,
0.3158

86.7318, 0.2944,
0.3158

517.3412, 0.3026,
0.3218

65.2733, 0.2926,
0.3145

142.7903, 0.2972,
0.3178

47.6827, 0.2904,
0.3129

178.1590, 0.2983,
0.3186

33.5757, 0.2877,
0.3108

218.9332, 0.2992,
0.3193

22.5678, 0.2842,
0.3082

265.4974, 0.3001,
0.3199

14.2747, 0.2796,
0.3048

318.2359, 0.3008,
0.3205

8.3120, 0.2732,
0.3000

377.5331, 0.3015,

4.2952, 0.2639,

0.3209

0.2928

443.7734, 0.3020,
0.3214

■ 1.8400, 0.2488,
0.2809

■ 0.5119, 0.1999,
0.2486

■ 86.7318, 0.2944,
0.3158

■ 86.7318, 0.2944,
0.3158

■ 76.5640, 0.2784,
0.3032

■ 97.9154, 0.3100,
0.3272

■ 67.3671, 0.2624,
0.2894

99.9977, 0.3127,
0.3290

■ 59.1086, 0.2466,
0.2744

■ 51.7497, 0.2316,
0.2584

■ 45.2481, 0.2178,
0.2417

■ 39.5572, 0.2056,
0.2247

■ 34.6242, 0.1955,
0.2076

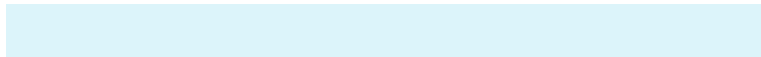
■ 30.3868, 0.1877,
0.1910

■ 27.3384, 0.1827,
0.1777

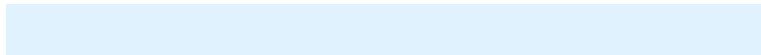
Harmonies

Analogous

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



86.7318, 0.2941, 0.3229



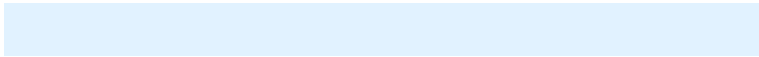
86.7318, 0.2944, 0.3158



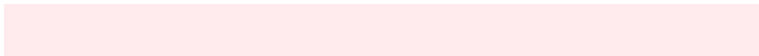
86.7318, 0.2995, 0.3123

Triad

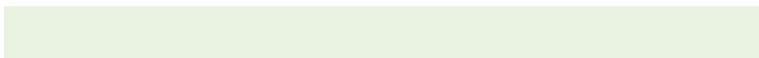
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7318, 0.2944, 0.3158



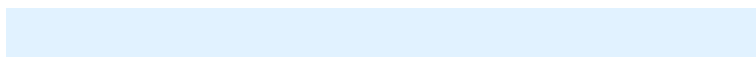
86.7318, 0.3269, 0.3260



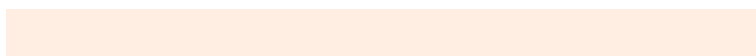
86.7318, 0.3170, 0.3454

Complementary

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



86.7318, 0.2944, 0.3158



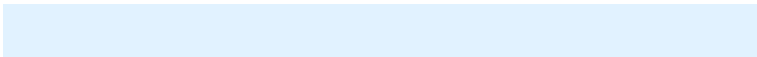
87.8335, 0.3324, 0.3419

Split Complementary

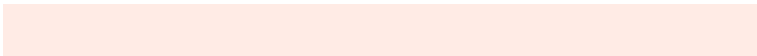
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7318, 0.3259, 0.3460



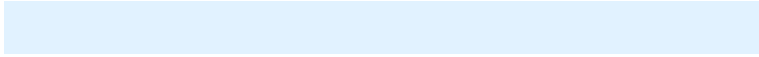
86.7318, 0.2944, 0.3158



86.7318, 0.3317, 0.3346

Square

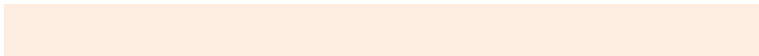
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7318, 0.2944, 0.3158



86.7318, 0.3182, 0.3182



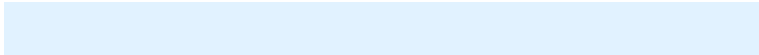
86.7318, 0.3314, 0.3420



86.7318, 0.3070, 0.3402

Rectangle

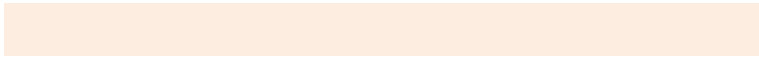
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.7318, 0.2944, 0.3158



86.7318, 0.3050, 0.3125



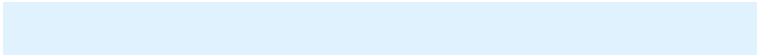
86.7318, 0.3314, 0.3420



86.7318, 0.3202, 0.3461

Sweetspot

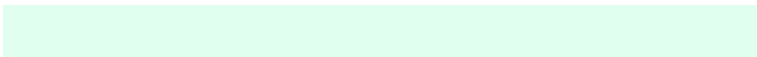
The Sweet Spot groups the original color and five complimentary colors.



86.7354, 0.2944, 0.3158



95.3311, 0.3066, 0.3247



93.6527, 0.3042, 0.3468



20.2208, 0.3054, 0.3239



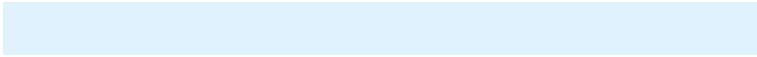
0.0000, 0.0000, 0.0000



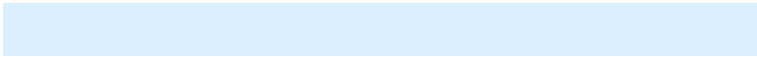
21.4041, 0.3127, 0.3290

Same Dimension

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



86.7354, 0.2944, 0.3158



84.3782, 0.2908, 0.3131



78.4540, 0.2941, 0.3008



19.0874, 0.2979, 0.3185



14.5920, 0.1834, 0.1804



1.6381, 0.1886, 0.1988

Inverse Universe

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



81.5295, 0.3225, 0.3123



78.3439, 0.3247, 0.3090



96.6067, 0.3306, 0.3558



18.1597, 0.3205, 0.3156



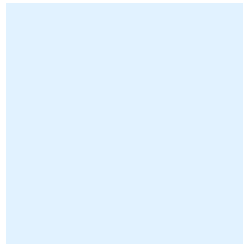
12.2010, 0.4681, 0.2352



1.2099, 0.4466, 0.2234

Previews

White Background



This preview shows how the Yxy color 86.7318, 0.2944, 0.3158 looks on a white background.

Color Contrast Check

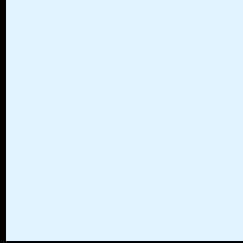
Large Text (above 18pt) WCAG AA × Fail

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 86.7318, 0.2944, 0.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

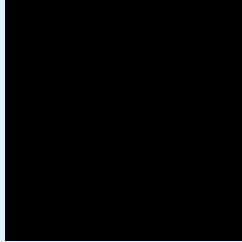
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

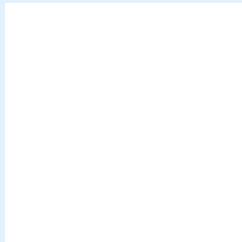
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7318, 0.2944, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 86.7318, 0.2944, 0.3158.



This preview shows how white text looks on a background with the Yxy color 86.7318, 0.2944, 0.3158.

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

86.7318, 0.2944, 0.3158

Protanopia

86.7026, 0.3055, 0.3151

Deuteranopia

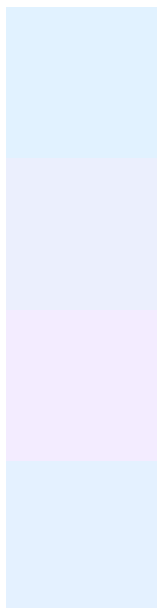
86.3805, 0.3124, 0.3077



Tritanopia

86.9536, 0.2974, 0.3149

Trichromacy



Original Color

86.7318, 0.2944, 0.3158

Protanomaly

86.4870, 0.3017, 0.3150

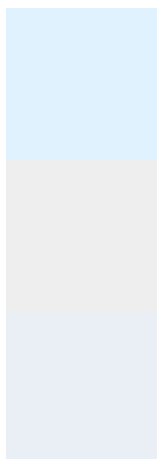
Deuteranomaly

86.2656, 0.3057, 0.3103

Tritanomaly

86.6246, 0.2962, 0.3148

Monochromacy



Original Color

86.7318, 0.2944, 0.3158

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5883, 0.3058, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7318, 0.2944, 0.3158 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(225, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 242, 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(225, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.7318, 0.2944, 0.3158 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(225, 242, 255) }
```

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

```
.border{ border-color:rgb(225, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7318, 0.2944, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 242, 255) }
```

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

```
.background{ background-color: rgb(225,  
242, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor