

Converting Colors

$Yxy(86.7928, 0.2867, 0.3247)$

Have a look what the booklet for
Yxy(86.7928, 0.2867, 0.3247)
contains.

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Color

Yxy(86.8965, 0.2866, 0.3247)

Conversions

Conversions Part 1

Format	Color
Hex	D0F7FB
RGB	208, 247, 251
RGB Percent	82%, 97%, 98%
CMY	0.1841, 0.0314, 0.0156
CMYK	0.17, 0.02, 0.00, 0.02
HSL	186°, 84%, 90%
HSV	186°, 17%, 98%
XYZ	76.7001, 86.8965, 104.0242
YIQ	235.7950, -24.5280, -7.0240

Conversions

Conversions Part 2

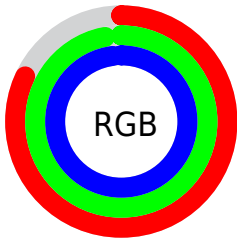
Format	Color
R _Y B	208, 228, 251
Decimal	13694971
CIE Lab	94.69, -11.63, -6.13
CIE LCh	95, 13.143, 207.788
Yxy	86.8965, 0.2866, 0.3247
Android (android.graphics.Color)	4291885051 (0xFFD0F7FB)
YUV	235.7950, 7.4961, -24.3762
Hunter-Lab	93.2183, -16.2620, -0.9101

Details

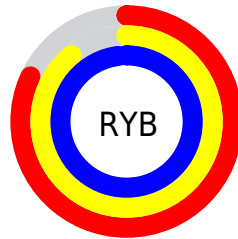
The Yxy color **86.8965, 0.2866, 0.3247** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.2072, 0.3450, 0.3333**, and the grayscale version is **83.6815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9740, 0.2807, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **82.1081, 0.2724, 0.3219**, and if you desaturate by 10%, it is **92.2863, 0.3017, 0.3273**.

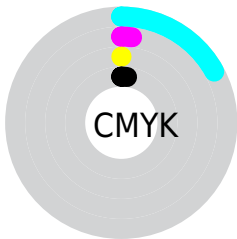
Distribution



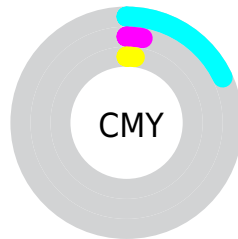
- Red (82%)
- Green (97%)
- Blue (98%)



- Red (82%)
- Yellow (89%)
- Blue (98%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)





- Cyan (18%)
- Magenta (3%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8965, 0.2866, 0.3247 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 86.8965, 0.2866, 0.3247 by changing the saturation by 10% instead.

 86.8965, 0.2866,
0.3247

 86.8965, 0.2866,
0.3247


517.8827, 0.2982,
0.3268

 65.4096, 0.2841,
0.3242


143.0199, 0.2905,
0.3254

 47.7933, 0.2810,
0.3236


178.4251, 0.2921,
0.3257

 33.6632, 0.2771,
0.3228


219.2385, 0.2935,
0.3259

 22.6350, 0.2722,
0.3218

265.8446, 0.2946,
0.3261

 14.3242, 0.2657,
0.3204

318.6276, 0.2957,
0.3263

 8.3465, 0.2568,
0.3184

377.9720, 0.2966,

 4.3175, 0.2438,

0.3265

0.3151

444.2623, 0.2975,
0.3266

■ 1.8527, 0.2230,
0.3092

■ 0.5197, 0.1218,
0.3014

■ 86.8965, 0.2866,
0.3247

■ 86.8965, 0.2866,
0.3247

■ 82.1081, 0.2724,
0.3219

■ 92.2863, 0.3017,
0.3273

■ 77.8833, 0.2593,
0.3189

■ 97.6688, 0.3152,
0.3297

■ 74.1963, 0.2477,
0.3158

■ 99.1594, 0.3151,
0.3319

■ 71.0153, 0.2377,
0.3126

■ 99.7472, 0.3150,
0.3328

■ 68.3047, 0.2296,
0.3093

■ 66.0244, 0.2235,
0.3060

■ 64.1270, 0.2193,
0.3028

■ 62.5520, 0.2168,
0.2996

■ 62.1320, 0.2163,
0.2986

Harmonies

Analogous

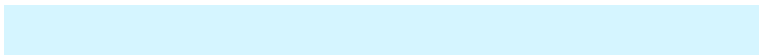
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8965, 0.2959, 0.3385



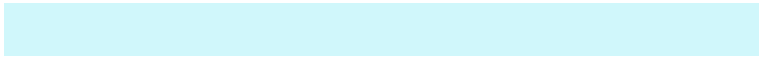
86.8965, 0.2866, 0.3247



86.8965, 0.2842, 0.3125

Triad

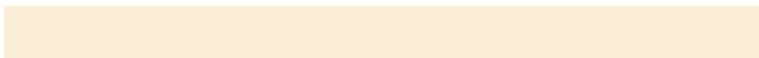
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8965, 0.2866, 0.3247



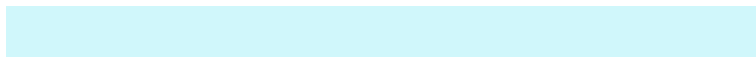
86.8965, 0.3152, 0.3094



86.8965, 0.3366, 0.3530

Complementary

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



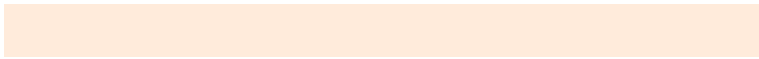
86.8965, 0.2866, 0.3247



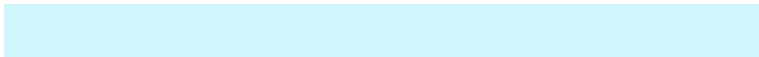
72.2072, 0.3450, 0.3333

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.



86.8965, 0.3421, 0.3446



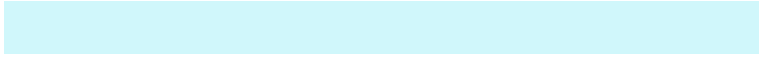
86.8965, 0.2866, 0.3247



86.8965, 0.3296, 0.3196

Square

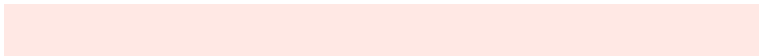
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8965, 0.2866, 0.3247



86.8965, 0.3004, 0.3042



86.8965, 0.3395, 0.3323



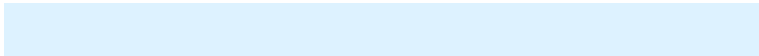
86.8965, 0.3247, 0.3551

Rectangle

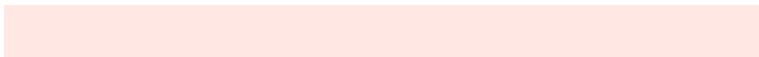
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



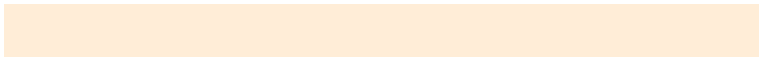
86.8965, 0.2866, 0.3247



86.8965, 0.2867, 0.3070



86.8965, 0.3395, 0.3323



86.8965, 0.3393, 0.3508

Sweetspot

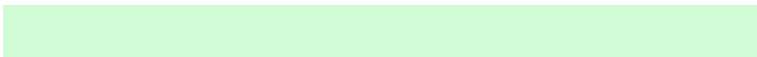
The Sweet Spot groups the original color and five complimentary colors.



86.9001, 0.2866, 0.3247



96.8984, 0.3049, 0.3278



87.1683, 0.3085, 0.3716



20.6498, 0.3038, 0.3276



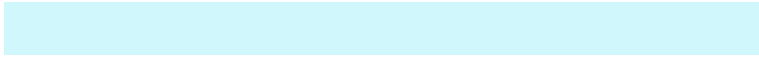
0.0000, 0.0000, 0.0000



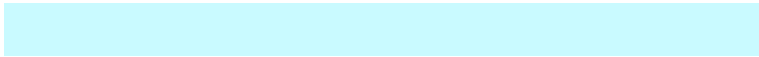
21.4041, 0.3127, 0.3290

Same Dimension

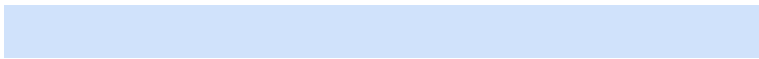
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9001, 0.2866, 0.3247



88.0471, 0.2809, 0.3236



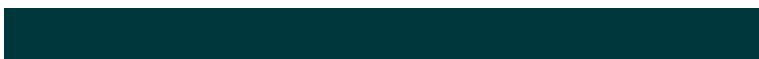
74.7561, 0.2855, 0.3022



19.3129, 0.2980, 0.3267



32.7659, 0.2164, 0.2992



3.1136, 0.2175, 0.3030

Inverse Universe

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



72.3672, 0.3175, 0.2903



70.1431, 0.3187, 0.2813



83.4209, 0.3414, 0.3544



17.4948, 0.3152, 0.3078



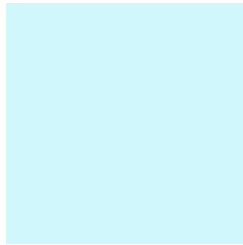
13.7186, 0.3461, 0.1680



1.2785, 0.3428, 0.1662

Previews

White Background



This preview shows how the Yxy color 86.8965, 0.2866, 0.3247 looks on a white background.

Color Contrast Check

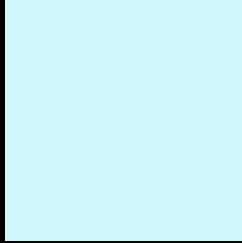
Large Text (above 18pt) WCAG AA × Fail

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 86.8965, 0.2866, 0.3247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

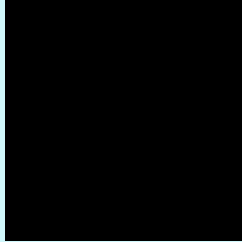
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.8965, 0.2866, 0.3247

Background



This preview shows how black text looks on a background with the Yxy color 86.8965, 0.2866, 0.3247.

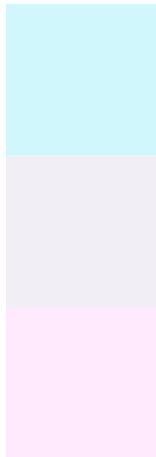


This preview shows how white text looks on a background with the Yxy color 86.8965, 0.2866, 0.3247.

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

86.8965, 0.2866, 0.3247

Protanopia

86.6801, 0.3105, 0.3210

Deuteranopia

86.6297, 0.3150, 0.3097



Tritanopia

86.8508, 0.2926, 0.3167

Trichromacy



Original Color

86.8965, 0.2866, 0.3247

Protanomaly

86.5109, 0.3015, 0.3219

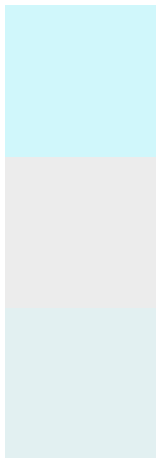
Deuteranomaly

86.3545, 0.3043, 0.3150

Tritanomaly

86.6088, 0.2901, 0.3187

Monochromacy



Original Color

86.8965, 0.2866, 0.3247

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.8398, 0.3031, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8965, 0.2866, 0.3247 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(208, 247, 251)` looks like.

```
.text, #text, p{  
    color:rgb(208, 247, 251)  
}
```

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(208, 247, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 247, 251) }
```

Border

The CSS property to change the border of an element to Yxy 86.8965, 0.2866, 0.3247 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(208, 247, 251) }
```

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

```
.border{ border-color:rgb(208, 247, 251) }
```

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

Here you see how a box with a 4 pixel rgb(208, 247, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 247, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 247, 251);  
box-shadow:4px 4px 4px 4px rgb(208, 247,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8965, 0.2866, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 247, 251) }
```

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

```
.background{ background-color: rgb(208,  
247, 251) }
```

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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