

Converting Colors

$Yxy(87.6261, 0.2866, 0.3206)$

Have a look what the booklet for
Yxy(87.6261, 0.2866, 0.3206)
contains.

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Color

Yxy(87.7386, 0.2868, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	D4F7FF
RGB	212, 247, 255
RGB Percent	83%, 97%, 100%
CMY	0.1685, 0.0314, 0.0001
CMYK	0.17, 0.03, 0.00, 0.00
HSL	191°, 100%, 92%
HSV	191°, 17%, 100%
XYZ	78.4641, 87.7386, 107.3820
YIQ	237.4470, -23.4280, -4.9320

Conversions

Conversions Part 2

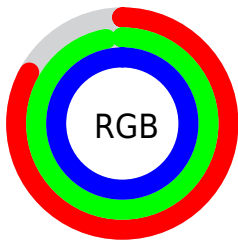
Format	Color
R _Y B	212, 231, 255
Decimal	13957119
CIE Lab	95.05, -9.62, -7.61
CIE LCh	95, 12.268, 218.338
Yxy	87.7386, 0.2868, 0.3207
Android (android.graphics.Color)	4292147199 (0xFFD4F7FF)
YUV	237.4470, 8.6536, -22.3170
Hunter-Lab	93.6689, -14.3956, -2.4018

Details

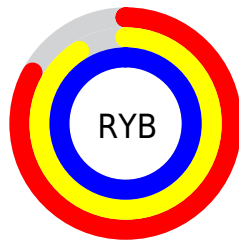
The Yxy color **87.7386, 0.2868, 0.3207** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.1957, 0.3438, 0.3372**, and the grayscale version is **85.0008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5069, 0.2815, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **81.3890, 0.2721, 0.3152**, and if you desaturate by 10%, it is **94.7673, 0.3021, 0.3258**.

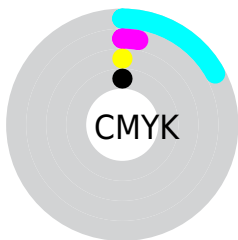
Distribution



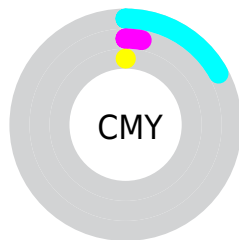
- Red (83%)
- Green (97%)
- Blue (100%)



- Red (83%)
- Yellow (91%)
- Blue (100%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (17%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7386, 0.2868, 0.3207 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 87.7386, 0.2868, 0.3207 by changing the saturation by 10% instead.


 87.7386, 0.2868,
0.3207

 87.7386, 0.2868,
0.3207


520.6468, 0.2983,
0.3245

 66.1066, 0.2843,
0.3198


144.1932, 0.2907,
0.3220

 48.3589, 0.2812,
0.3188


179.7846, 0.2922,
0.3225

 34.1112, 0.2774,
0.3174

220.7978, 0.2936,
0.3230

 22.9791, 0.2726,
0.3156

267.6174, 0.2948,
0.3234

 14.5780, 0.2662,
0.3132

320.6277, 0.2958,
0.3237

 8.5238, 0.2575,
0.3098

380.2131, 0.2967,

 4.4319, 0.2448,

0.3240

0.3046

446.7580, 0.2976,
0.3243

■ 1.9180, 0.2247,
0.2957

■ 0.5592, 0.1477,
0.2785

■ 87.7386, 0.2868,
0.3207

■ 87.7386, 0.2868,
0.3207

■ 81.3890, 0.2721,
0.3152

■ 94.7673, 0.3021,
0.3258

■ 75.6790, 0.2582,
0.3092

99.9982, 0.3127,
0.3290

■ 70.5815, 0.2455,
0.3029

■ 66.0629, 0.2344,
0.2964

■ 62.0860, 0.2250,
0.2897

■ 58.6087, 0.2176,
0.2828

■ 55.5815, 0.2121,
0.2760

■ 52.9422, 0.2085,
0.2693

■ 52.1596, 0.2076,
0.2672

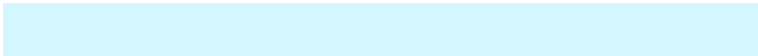
Harmonies

Analogous

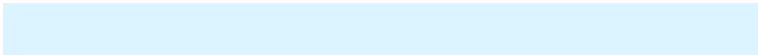
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7386, 0.2934, 0.3334



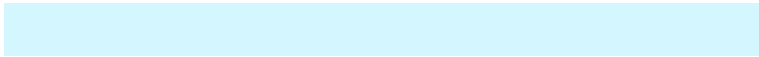
87.7386, 0.2868, 0.3207



87.7386, 0.2870, 0.3107

Triad

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



87.7386, 0.2868, 0.3207



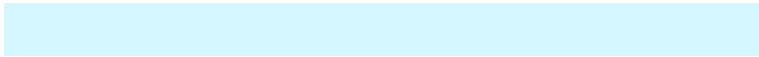
87.7386, 0.3200, 0.3137



87.7386, 0.3316, 0.3528

Complementary

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



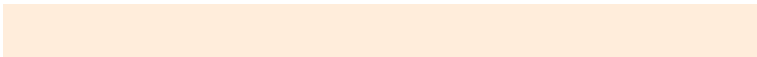
87.7386, 0.2868, 0.3207



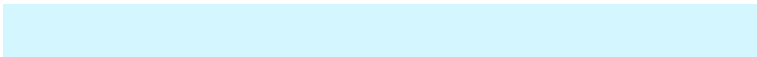
77.1957, 0.3438, 0.3372

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.



87.7386, 0.3391, 0.3468



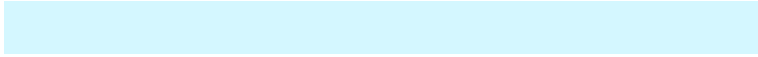
87.7386, 0.2868, 0.3207



87.7386, 0.3323, 0.3243

Square

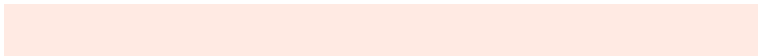
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7386, 0.2868, 0.3207



87.7386, 0.3059, 0.3069



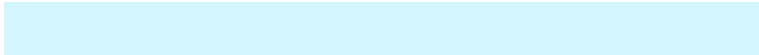
87.7386, 0.3394, 0.3364



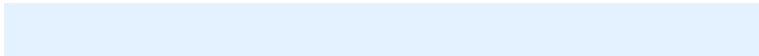
87.7386, 0.3191, 0.3523

Rectangle

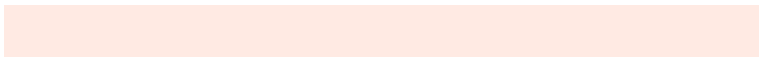
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7386, 0.2868, 0.3207



87.7386, 0.2909, 0.3067



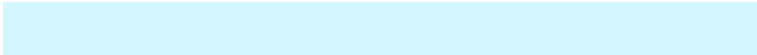
87.7386, 0.3394, 0.3364



87.7386, 0.3348, 0.3515

Sweetspot

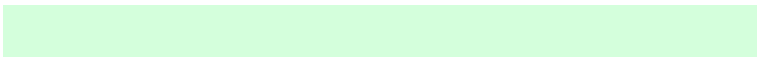
The Sweet Spot groups the original color and five complimentary colors.



87.7422, 0.2868, 0.3207



96.1610, 0.3049, 0.3267



90.6654, 0.3062, 0.3661



20.4700, 0.3039, 0.3263



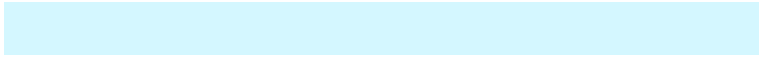
0.0000, 0.0000, 0.0000



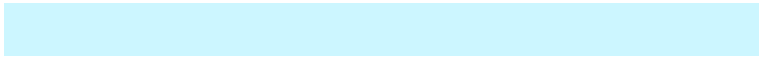
21.4041, 0.3127, 0.3290

Same Dimension

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



87.7422, 0.2868, 0.3207



85.6862, 0.2821, 0.3190



75.4102, 0.2857, 0.2980



19.8744, 0.2980, 0.3245



27.4675, 0.2079, 0.2683



2.8160, 0.2100, 0.2760

Inverse Universe

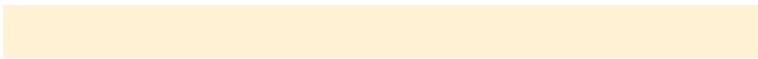
The Inverse Universe completely reimagines the original color for something new.



75.0719, 0.3201, 0.2946



71.0710, 0.3217, 0.2880



89.1413, 0.3403, 0.3582



18.2391, 0.3167, 0.3099



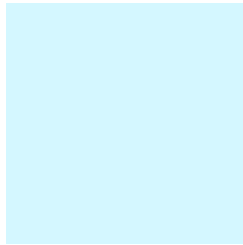
13.5008, 0.3744, 0.1836



1.3288, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 87.7386, 0.2868, 0.3207 looks on a white background.

Color Contrast Check

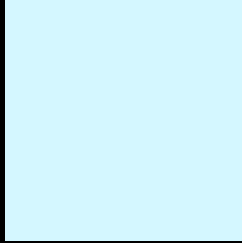
Large Text (above 18pt) WCAG AA × Fail

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 87.7386, 0.2868, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

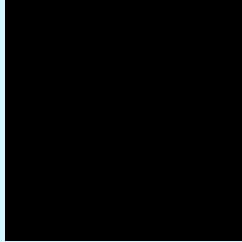
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.7386, 0.2868, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 87.7386, 0.2868, 0.3207.



This preview shows how white text looks on a background with the Yxy color 87.7386, 0.2868, 0.3207.

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

87.7386, 0.2868, 0.3207

Protanopia

87.5124, 0.3080, 0.3181

Deuteranopia

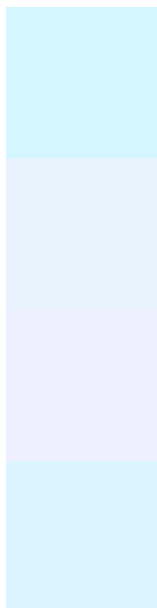
87.5193, 0.3123, 0.3097



Tritanopia

87.3287, 0.2944, 0.3168

Trichromacy



Original Color

87.7386, 0.2868, 0.3207

Protanomaly

87.5215, 0.2998, 0.3189

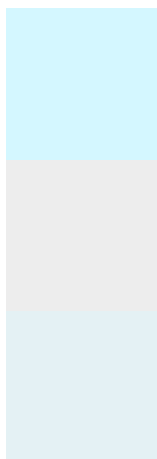
Deuteranomaly

87.1301, 0.3025, 0.3131

Tritanomaly

87.1370, 0.2914, 0.3177

Monochromacy



Original Color

87.7386, 0.2868, 0.3207

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.9362, 0.3026, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7386, 0.2868, 0.3207 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(212, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 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(212, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.7386, 0.2868, 0.3207 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(212, 247, 255) }
```

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

```
.border{ border-color:rgb(212, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7386, 0.2868, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 247, 255) }
```

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

```
.background{ background-color: rgb(212,  
247, 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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