

Converting Colors

$Yxy(92.8244, 0.2479, 0.2578)$

Have a look what the booklet for
Yxy(92.8244, 0.2479, 0.2578)
contains.

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Color

Yxy(87.2507, 0.2801, 0.3226)

Conversions

Conversions Part 1

Format	Color
Hex	C8F9FF
RGB	200, 249, 255
RGB Percent	78%, 98%, 100%
CMY	0.2155, 0.0236, 0.0000
CMYK	0.22, 0.02, 0.00, 0.00
HSL	187°, 100%, 89%
HSV	187°, 22%, 100%
XYZ	75.7561, 87.2507, 107.4541
YIQ	235.0330, -31.1300, -8.5220

Conversions

Conversions Part 2

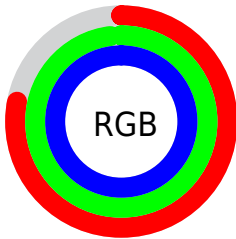
Format	Color
R _Y B	200, 226, 255
Decimal	13171199
CIE Lab	94.84, -14.19, -8.01
CIE LCh	95, 16.297, 209.439
Yxy	87.2507, 0.2801, 0.3226
Android (android.graphics.Color)	4291361279 (0xFFC8F9FF)
YUV	235.0330, 9.8437, -30.7239
Hunter-Lab	93.4081, -18.6965, -2.8200

Details

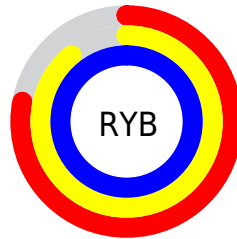
The Yxy color **87.2507, 0.2801, 0.3226** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6077, 0.3553, 0.3353**, and the grayscale version is **83.0557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2369, 0.2734, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **82.3190, 0.2662, 0.3193**, and if you desaturate by 10%, it is **92.8007, 0.2949, 0.3257**.

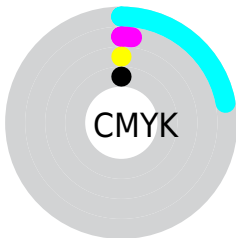
Distribution



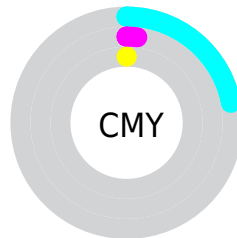
- Red (78%)
- Green (98%)
- Blue (100%)



- Red (78%)
- Yellow (89%)
- Blue (100%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2507, 0.2801, 0.3226 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 87.2507, 0.2801, 0.3226 by changing the saturation by 10% instead.

87.2507, 0.2801,
0.3226

87.2507, 0.2801,
0.3226

519.0463, 0.2946,
0.3257

65.7027, 0.2769,
0.3219

143.5135, 0.2850,
0.3237

48.0311, 0.2731,
0.3210

178.9971, 0.2869,
0.3241

33.8515, 0.2683,
0.3198

219.8947, 0.2886,
0.3244

22.7796, 0.2623,
0.3183

266.5907, 0.2901,
0.3248

14.4308, 0.2544,
0.3162

319.4694, 0.2914,
0.3250

8.4209, 0.2435,
0.3132

378.9154, 0.2926,

4.3654, 0.2278,

0.3253

0.3084

445.3129, 0.2936,
0.3255

1.8800, 0.2031,
0.2998

0.5363, 0.0880,
0.2891

87.2507, 0.2801,
0.3226

87.2507, 0.2801,
0.3226

82.3190, 0.2662,
0.3193

92.8007, 0.2949,
0.3257

77.9658, 0.2536,
0.3157

98.9854, 0.3103,
0.3286

74.1630, 0.2425,
0.3120

100.0000, 0.3127,
0.3290

70.8759, 0.2332,
0.3082

■ 68.0657, 0.2258,
0.3044

■ 65.6875, 0.2203,
0.3005

■ 63.6878, 0.2167,
0.2967

■ 62.2228, 0.2149,
0.2935

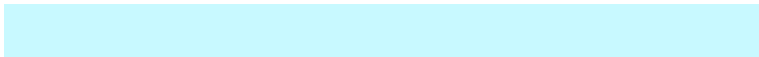
Harmonies

Analogous

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



87.2507, 0.2911, 0.3398



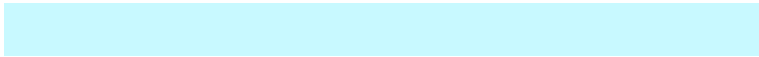
87.2507, 0.2801, 0.3226



87.2507, 0.2776, 0.3078

Triad

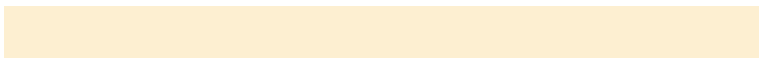
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2507, 0.2801, 0.3226



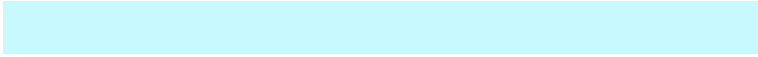
87.2507, 0.3167, 0.3055



87.2507, 0.3416, 0.3591

Complementary

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



87.2507, 0.2801, 0.3226



69.6077, 0.3553, 0.3353

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.



87.2507, 0.3491, 0.3488



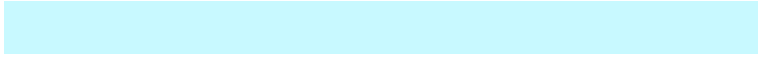
87.2507, 0.2801, 0.3226



87.2507, 0.3345, 0.3182

Square

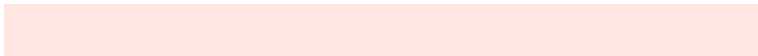
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2507, 0.2801, 0.3226



87.2507, 0.2983, 0.2986



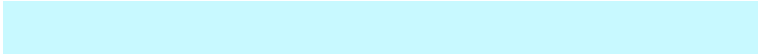
87.2507, 0.3464, 0.3339



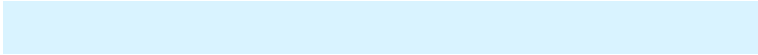
87.2507, 0.3265, 0.3614

Rectangle

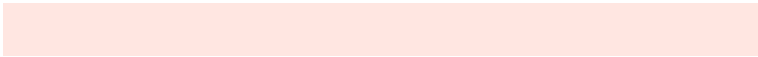
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



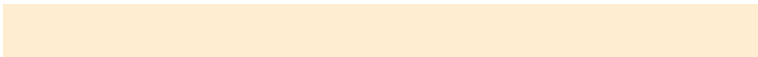
87.2507, 0.2801, 0.3226



87.2507, 0.2810, 0.3013



87.2507, 0.3464, 0.3339



87.2507, 0.3452, 0.3564

Sweetspot

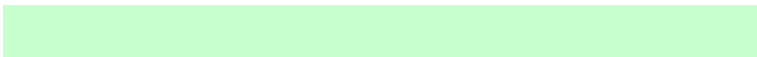
The Sweet Spot groups the original color and five complimentary colors.



87.2543, 0.2801, 0.3226



96.1501, 0.3034, 0.3273



88.2418, 0.3069, 0.3831



20.4934, 0.3024, 0.3272



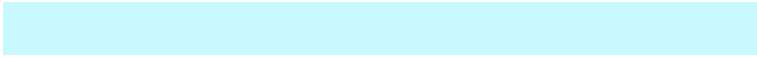
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

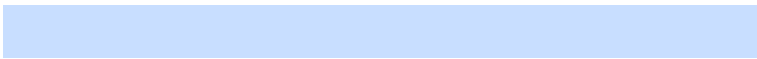
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2543, 0.2801, 0.3226



84.9822, 0.2738, 0.3211



71.7691, 0.2780, 0.2933



20.1221, 0.2980, 0.3263



32.6493, 0.2150, 0.2941



3.2718, 0.2162, 0.2985

Inverse Universe

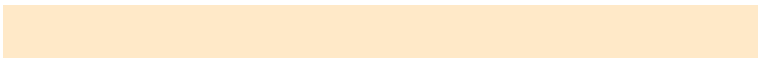
The Inverse Universe completely reimagines the original color for something new.



69.4353, 0.3195, 0.2808



64.2881, 0.3211, 0.2706



83.7240, 0.3497, 0.3622



18.2641, 0.3155, 0.3081



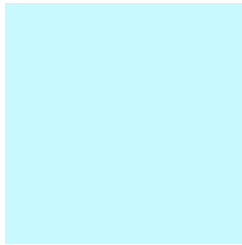
14.0239, 0.3506, 0.1705



1.3748, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 87.2507, 0.2801, 0.3226 looks on a white background.

Color Contrast Check

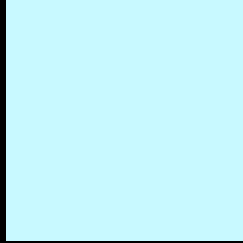
Large Text (above 18pt) WCAG AA × Fail

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 87.2507, 0.2801, 0.3226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

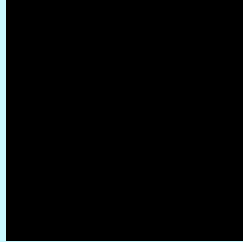
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.2507, 0.2801, 0.3226

Background



This preview shows how black text looks on a background with the Yxy color 87.2507, 0.2801, 0.3226.

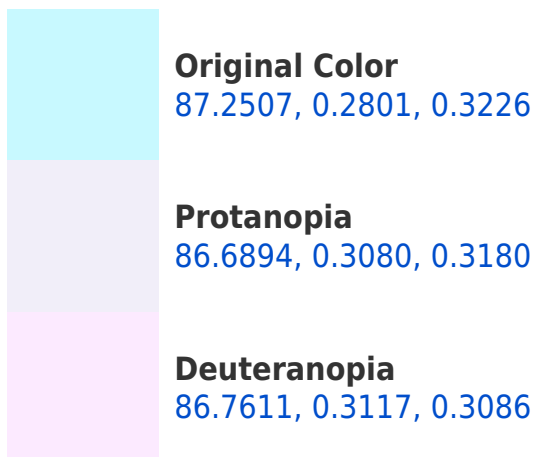


This preview shows how white text looks on a background with the Yxy color 87.2507, 0.2801, 0.3226.

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

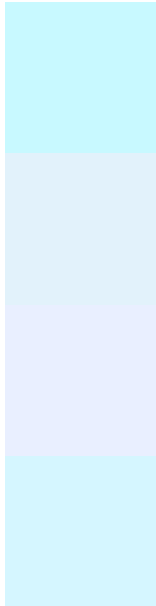




Tritanopia

87.1370, 0.2914, 0.3177

Trichromacy



Original Color

87.2507, 0.2801, 0.3226

Protanomaly

86.6380, 0.2973, 0.3198

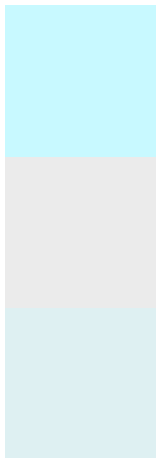
Deuteranomaly

86.2766, 0.2993, 0.3129

Tritanomaly

87.2777, 0.2873, 0.3196

Monochromacy



Original Color

87.2507, 0.2801, 0.3226

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.2606, 0.2999, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2507, 0.2801, 0.3226 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(200, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 249, 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(200, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.2507, 0.2801, 0.3226 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(200, 249, 255) }
```

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

```
.border{ border-color:rgb(200, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2507, 0.2801, 0.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 249, 255) }
```

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

```
.background{ background-color: rgb(200,  
249, 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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