

Converting Colors

$Yxy(87.4492, 0.2827, 0.3289)$

Have a look what the booklet for
Yxy(87.4492, 0.2827, 0.3289)
contains.

Yxy(87.5527, 0.2827, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.5527, 0.2827, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	C8FAFA
RGB	200, 250, 250
RGB Percent	78%, 98%, 98%
CMY	0.2158, 0.0196, 0.0195
CMYK	0.20, 0.00, 0.00, 0.02
HSL	180°, 83%, 88%
HSV	180°, 20%, 98%
XYZ	75.2543, 87.5527, 103.3915
YIQ	235.0500, -29.8000, -10.6000

Conversions

Conversions Part 2

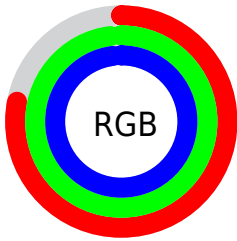
Format	Color
R _Y B	200, 225, 250
Decimal	13171450
CIE Lab	94.97, -15.77, -5.25
CIE LCh	95, 16.620, 198.407
Yxy	87.5527, 0.2827, 0.3289
Android (android.graphics.Color)	4291361530 (0xFFC8FAFA)
YUV	235.0500, 7.3703, -30.7389
Hunter-Lab	93.5696, -20.1863, -0.0149

Details

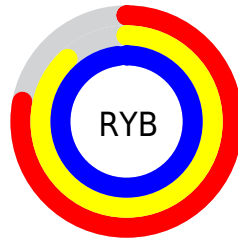
The Yxy color $87.5527, 0.2827, 0.3289$ is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be $65.7902, 0.3527, 0.3291$, and the grayscale version is $83.0751, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $48.0547, 0.2759, 0.3275$ is the 20% darker color. If you saturate the color by 10%, you get $84.3888, 0.2693, 0.3289$, and if you desaturate by 10%, it is $91.2866, 0.2972, 0.3290$.

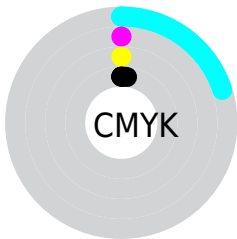
Distribution



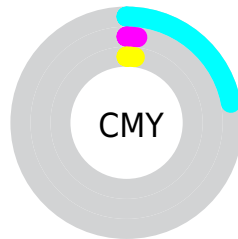
- Red (78%)
- Green (98%)
- Blue (98%)



- Red (78%)
- Yellow (88%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5527, 0.2827, 0.3289 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 87.5527, 0.2827, 0.3289 by changing the saturation by 10% instead.

 87.5527, 0.2827,
0.3289

 87.5527, 0.2827,
0.3289


520.0373, 0.2960,
0.3291

 65.9527, 0.2798,
0.3288


143.9343, 0.2872,
0.3290

 48.2340, 0.2762,
0.3287


179.4846, 0.2890,
0.3290

 34.0122, 0.2718,
0.3286

220.4538, 0.2906,
0.3290

 22.9030, 0.2662,
0.3283

267.2264, 0.2919,
0.3291

 14.5219, 0.2589,
0.3279

320.1866, 0.2931,
0.3291

 8.4845, 0.2487,
0.3272


379.7189, 0.2942,


 4.4065, 0.2340,


0.3291


446.2077, 0.2952,
0.3291


0.3260


 1.9035, 0.2107,
0.3232


 0.5505, 0.0835,
0.3326


 87.5527, 0.2827,
0.3289


 87.5527, 0.2827,
0.3289


 84.3888, 0.2693,
0.3289

 91.2866, 0.2972,
0.3290


 81.7569, 0.2575,
0.3288

 95.6052, 0.3127,
0.3290


 79.6308, 0.2473,
0.3288


 96.5505, 0.3159,
0.3290

 77.9782, 0.2390,
0.3288


 96.5532, 0.3159,
0.3290


 76.7627, 0.2327,
0.3287


 96.5559, 0.3159,
0.3290

 75.9430, 0.2283,
0.3287

 96.5586, 0.3159,
0.3290

 75.4695, 0.2258,
0.3287

 96.5613, 0.3159,
0.3290

 75.2608, 0.2246,
0.3287

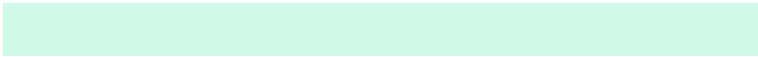
 96.5640, 0.3159,
0.3290

 96.5667, 0.3159,
0.3290

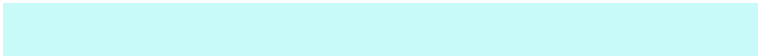
Harmonies

Analogous

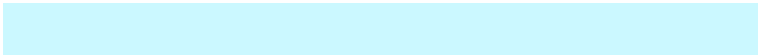
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5527, 0.2965, 0.3461



87.5527, 0.2827, 0.3289



87.5527, 0.2768, 0.3124

Triad

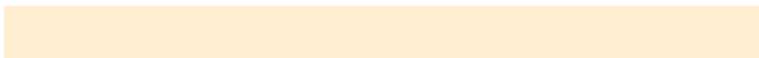
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5527, 0.2827, 0.3289



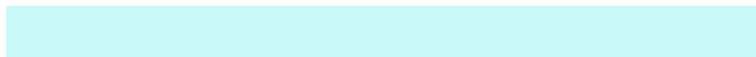
87.5527, 0.3097, 0.3017



87.5527, 0.3461, 0.3566

Complementary

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



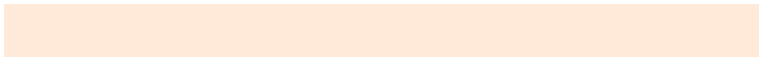
87.5527, 0.2827, 0.3289



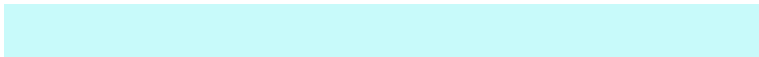
65.7902, 0.3527, 0.3291

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.



87.5527, 0.3500, 0.3439



87.5527, 0.2827, 0.3289



87.5527, 0.3286, 0.3127

Square

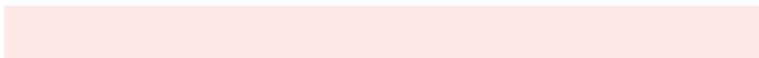
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5527, 0.2827, 0.3289



87.5527, 0.2920, 0.2974



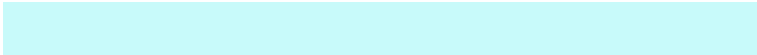
87.5527, 0.3436, 0.3279



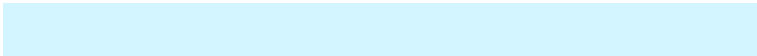
87.5527, 0.3331, 0.3622

Rectangle

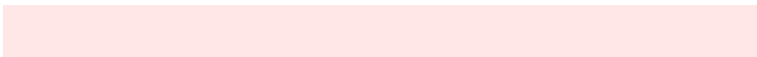
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5527, 0.2827, 0.3289



87.5527, 0.2780, 0.3040



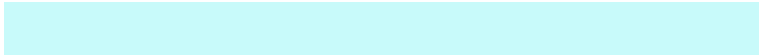
87.5527, 0.3436, 0.3279



87.5527, 0.3485, 0.3530

Sweetspot

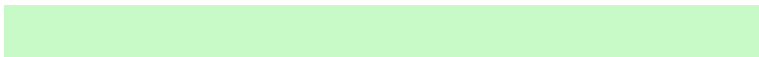
The Sweet Spot groups the original color and five complimentary colors.



87.5563, 0.2827, 0.3289



97.2111, 0.3034, 0.3290



84.8265, 0.3101, 0.3845



20.7451, 0.3024, 0.3290



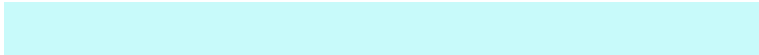
0.0000, 0.0000, 0.0000



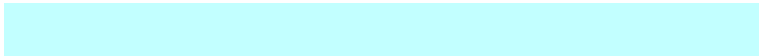
21.4041, 0.3127, 0.3290

Same Dimension

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



87.5563, 0.2827, 0.3289



90.1761, 0.2772, 0.3289



73.0227, 0.2810, 0.3018



19.6081, 0.2980, 0.3290



39.9133, 0.2246, 0.3287



3.6968, 0.2246, 0.3287

Inverse Universe

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



68.5209, 0.3151, 0.2792



66.9739, 0.3155, 0.2691



78.3415, 0.3477, 0.3548



17.5246, 0.3138, 0.3056



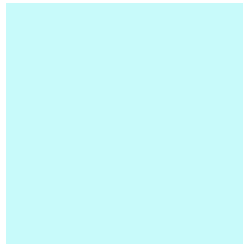
14.4402, 0.3210, 0.1542



1.3374, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 87.5527, 0.2827, 0.3289 looks on a white background.

Color Contrast Check

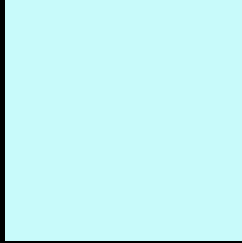
Large Text (above 18pt) WCAG AA × Fail

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 87.5527, 0.2827, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

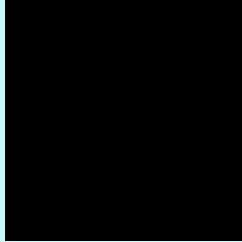
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.5527, 0.2827, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 87.5527, 0.2827, 0.3289.

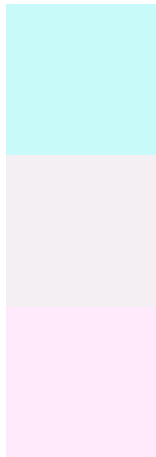


This preview shows how white text looks on a background with the Yxy color 87.5527, 0.2827, 0.3289.

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

87.5527, 0.2827, 0.3289

Protanopia

87.2588, 0.3129, 0.3250

Deuteranopia

87.1339, 0.3155, 0.3116



Tritanopia

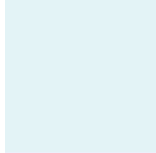
87.2935, 0.2920, 0.3177

Trichromacy



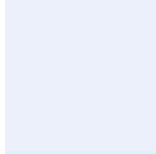
Original Color

87.5527, 0.2827, 0.3289



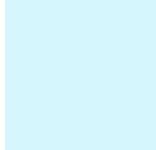
Protanomaly

87.0859, 0.3007, 0.3259



Deuteranomaly

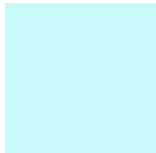
86.9474, 0.3029, 0.3179



Tritanomaly

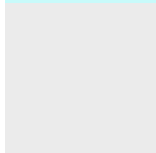
87.1495, 0.2884, 0.3217

Monochromacy



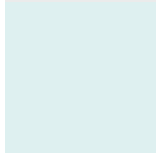
Original Color

87.5527, 0.2827, 0.3289



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.1410, 0.3011, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5527, 0.2827, 0.3289 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, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(200, 250, 250)  
}
```

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, 250, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 250, 250) }
```

Border

The CSS property to change the border of an element to Yxy 87.5527, 0.2827, 0.3289 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, 250, 250) }
```

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

```
.border{ border-color:rgb(200, 250, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 250, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 250, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 250, 250);  
box-shadow:4px 4px 4px 4px rgb(200, 250,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5527, 0.2827, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 250, 250) }
```

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

```
.background{ background-color: rgb(200,  
250, 250) }
```

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