

Converting Colors

$Yxy(86.7599, 0.2781, 0.3226)$

Have a look what the booklet for
Yxy(86.7599, 0.2781, 0.3226)
contains.

Yxy(86.7071, 0.2779, 0.3226)	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(86.7071, 0.2779, 0.3226)

Conversions

Conversions Part 1

Format	Color
Hex	C4F9FF
RGB	196, 249, 255
RGB Percent	77%, 98%, 100%
CMY	0.2312, 0.0235, 0.0001
CMYK	0.23, 0.02, 0.00, 0.00
HSL	186°, 100%, 88%
HSV	186°, 23%, 100%
XYZ	74.6928, 86.7071, 107.3760
YIQ	233.8370, -33.5140, -9.3700

Conversions

Conversions Part 2

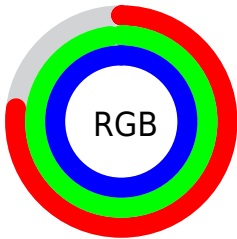
Format	Color
R_{YB}	196, 224, 255
Decimal	12909055
CIE _{Lab}	94.61, -15.38, -8.36
CIE _{LCh}	95, 17.503, 208.529
Yxy	86.7071, 0.2779, 0.3226
Android (android.graphics.Color)	4291099135 (0xFFC4F9FF)
YUV	233.8370, 10.4334, -33.1830
Hunter-Lab	93.1166, -19.7717, -3.1877

Details

The Yxy color **86.7071, 0.2779, 0.3226** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4830, 0.3593, 0.3353**, and the grayscale version is **82.0943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **47.8799, 0.2707, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **81.9919, 0.2643, 0.3195**, and if you desaturate by 10%, it is **92.0322, 0.2925, 0.3255**.

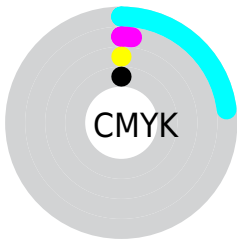
Distribution



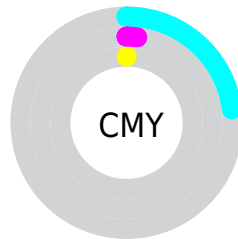
- Red (77%)
- Green (98%)
- Blue (100%)



- Red (77%)
- Yellow (88%)
- Blue (100%)



- Cyan (23%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7071, 0.2779, 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 86.7071, 0.2779, 0.3226 by changing the saturation by 10% instead.

86.7071, 0.2779,
0.3226

86.7071, 0.2779,
0.3226

517.2599, 0.2933,
0.3257

65.2528, 0.2745,
0.3219

142.7558, 0.2831,
0.3237

47.6661, 0.2704,
0.3210

178.1191, 0.2852,
0.3241

33.5626, 0.2653,
0.3198

218.8874, 0.2870,
0.3245

22.5578, 0.2589,
0.3182

265.4453, 0.2886,
0.3248

14.2673, 0.2504,
0.3161

318.1771, 0.2900,
0.3251

8.3068, 0.2388,
0.3129

377.4672, 0.2912,

4.2919, 0.2221,

0.3253

0.3078

443.7000, 0.2923,
0.3255

■ 1.8381, 0.1958,
0.2987

■ 0.5108, 0.0621,
0.2882

■ 86.7071, 0.2779,
0.3226

■ 86.7071, 0.2779,
0.3226

■ 81.9919, 0.2643,
0.3195

■ 92.0322, 0.2925,
0.3255

■ 77.8467, 0.2519,
0.3162

■ 97.9841, 0.3079,
0.3282

■ 74.2429, 0.2412,
0.3127

■ 99.9977, 0.3127,
0.3290

■ 71.1454, 0.2323,
0.3092

■ 68.5144, 0.2253,
0.3057

■ 66.3041, 0.2202,
0.3021

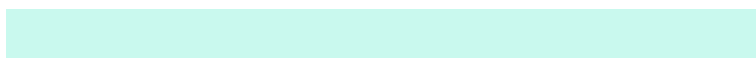
■ 64.4590, 0.2170,
0.2986

■ 63.3448, 0.2156,
0.2962

Harmonies

Analogous

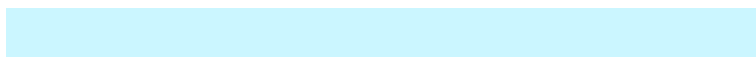
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7071, 0.2899, 0.3412



86.7071, 0.2779, 0.3226



86.7071, 0.2749, 0.3066

Triad

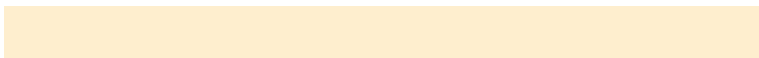
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7071, 0.2779, 0.3226



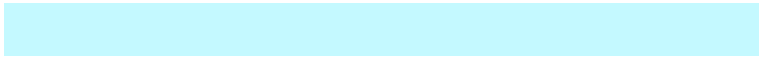
86.7071, 0.3164, 0.3034



86.7071, 0.3442, 0.3611

Complementary

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



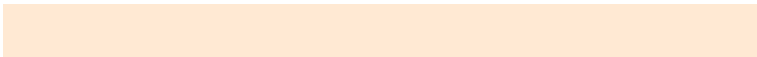
86.7071, 0.2779, 0.3226



67.4830, 0.3593, 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.



86.7071, 0.3520, 0.3498



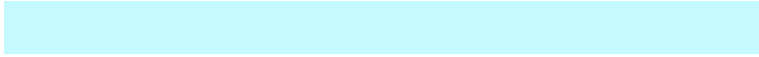
86.7071, 0.2779, 0.3226



86.7071, 0.3356, 0.3169

Square

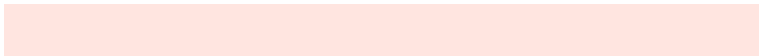
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7071, 0.2779, 0.3226



86.7071, 0.2967, 0.2963



86.7071, 0.3488, 0.3336



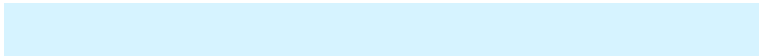
86.7071, 0.3281, 0.3640

Rectangle

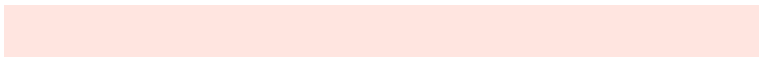
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



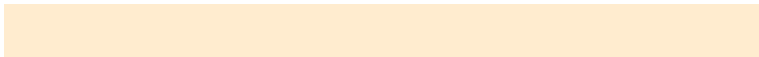
86.7071, 0.2779, 0.3226



86.7071, 0.2784, 0.2994



86.7071, 0.3488, 0.3336



86.7071, 0.3479, 0.3582

Sweetspot

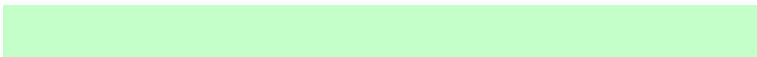
The Sweet Spot groups the original color and five complimentary colors.



86.7106, 0.2779, 0.3226



95.6231, 0.3018, 0.3272



87.4995, 0.3064, 0.3876



20.3897, 0.3009, 0.3270



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.



86.7106, 0.2779, 0.3226



84.3567, 0.2711, 0.3211



69.9403, 0.2753, 0.2904



20.1487, 0.2980, 0.3265



33.2372, 0.2158, 0.2968



3.3231, 0.2169, 0.3008

Inverse Universe

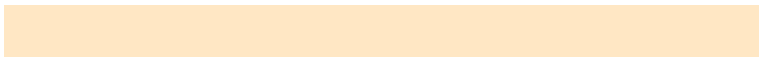
The Inverse Universe completely reimagines the original color for something new.



67.5904, 0.3197, 0.2768



62.1383, 0.3214, 0.2656



82.6135, 0.3527, 0.3648



18.2668, 0.3154, 0.3079



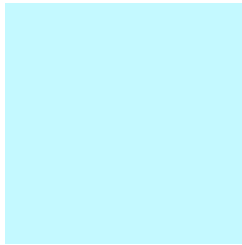
14.0833, 0.3482, 0.1692



1.3800, 0.3447, 0.1673

Previews

White Background



This preview shows how the Yxy color 86.7071, 0.2779, 0.3226 looks on a white background.

Color Contrast Check

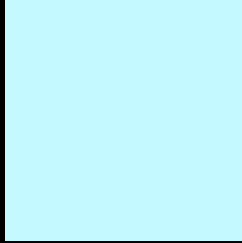
Large Text (above 18pt) WCAG AA × Fail

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 86.7071, 0.2779, 0.3226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

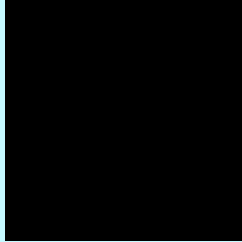
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.7071, 0.2779, 0.3226

Background



This preview shows how black text looks on a background with the Yxy color 86.7071, 0.2779, 0.3226.

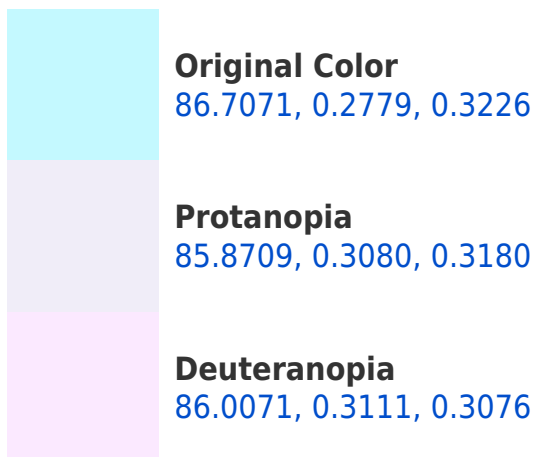


This preview shows how white text looks on a background with the Yxy color 86.7071, 0.2779, 0.3226.

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

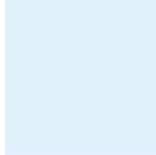
86.6731, 0.2896, 0.3176

Trichromacy



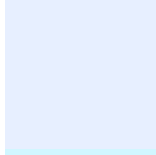
Original Color

86.7071, 0.2779, 0.3226



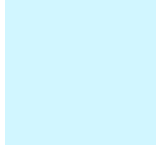
Protanomaly

85.7229, 0.2960, 0.3187



Deuteranomaly

85.9419, 0.2980, 0.3129



Tritanomaly

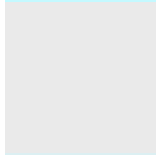
86.6868, 0.2850, 0.3196

Monochromacy



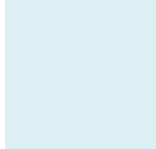
Original Color

86.7071, 0.2779, 0.3226



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

83.3595, 0.2987, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7071, 0.2779, 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(196, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.7071, 0.2779, 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(196, 249, 255) }
```

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

```
.border{ border-color:rgb(196, 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(196, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7071, 0.2779, 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(196, 249, 255) }
```

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

```
.background{ background-color: rgb(196,  
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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