

Converting Colors

$Yxy(97.5833, 0.2806, 0.3434)$

Have a look what the booklet for
Yxy(97.5833, 0.2806, 0.3434)
contains.

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Color

Yxy(90.2840, 0.2799, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFFC
RGB	196, 255, 252
RGB Percent	77%, 100%, 99%
CMY	0.2313, 0.0000, 0.0119
CMYK	0.23, 0.00, 0.01, 0.00
HSL	177°, 100%, 88%
HSV	177°, 23%, 100%
XYZ	76.0930, 90.2840, 105.4809
YIQ	237.0170, -34.2010, -13.4410

Conversions

Conversions Part 2

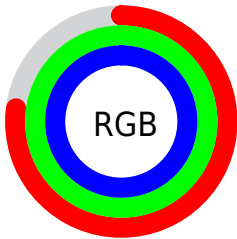
Format	Color
R_{YB}	196, 226, 255
Decimal	12910588
CIE _{Lab}	96.11, -18.98, -4.59
CIE _{LCh}	96, 19.528, 193.606
Y _{xy}	90.2840, 0.2799, 0.3321
Android (android.graphics.Color)	4291100668 (0xFFC4FFFC)
YUV	237.0170, 7.3866, -35.9719
Hunter-Lab	95.0179, -23.3335, 0.6938

Details

The Yxy color **90.2840, 0.2799, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.8718, 0.3583, 0.3260**, and the grayscale version is **84.6632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **49.9910, 0.2733, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **87.0666, 0.2675, 0.3336**, and if you desaturate by 10%, it is **94.0824, 0.2935, 0.3307**.

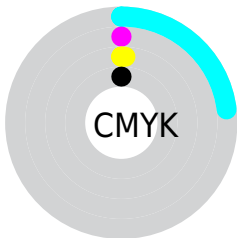
Distribution



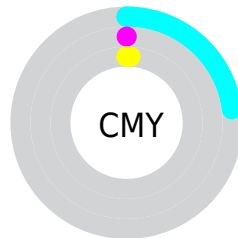
- Red (77%)
- Green (100%)
- Blue (99%)



- Red (77%)
- Yellow (89%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2840, 0.2799, 0.3321 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 90.2840, 0.2799, 0.3321 by changing the saturation by 10% instead.

 90.2840, 0.2799,
0.3321

 90.2840, 0.2799,
0.3321

528.9543, 0.2944,
0.3309

 68.2162, 0.2767,
0.3323

147.7328, 0.2848,
0.3317

 50.0737, 0.2729,
0.3326


183.8826, 0.2867,
0.3316

 35.4719, 0.2682,
0.3329


225.4953, 0.2884,
0.3314

 24.0266, 0.2622,
0.3332

272.9551, 0.2899,
0.3313

 15.3534, 0.2543,
0.3336

326.6465, 0.2912,
0.3312

 9.0678, 0.2436,
0.3340


386.9539, 0.2924,


 4.7854, 0.2281,


0.3311


0.3343

454.2617, 0.2934,
0.3310


 2.1219, 0.2040,
0.3340


 0.6769, 0.0939,
0.3529


 90.2840, 0.2799,
0.3321


 90.2840, 0.2799,
0.3321


 87.0666, 0.2675,
0.3336


 94.0824, 0.2935,
0.3307

 84.4018, 0.2565,
0.3352

 98.4902, 0.3080,
0.3294

 82.2575, 0.2473,
0.3369

 100.0000, 0.3127,
0.3290

 80.5983, 0.2400,
0.3386

■ 79.3848, 0.2346,
0.3403

■ 78.5712, 0.2312,
0.3421

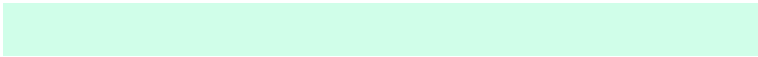
■ 78.1018, 0.2295,
0.3438

■ 77.9235, 0.2292,
0.3449

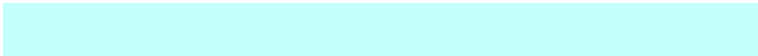
Harmonies

Analogous

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



90.2840, 0.2970, 0.3518



90.2840, 0.2799, 0.3321



90.2840, 0.2715, 0.3123

Triad

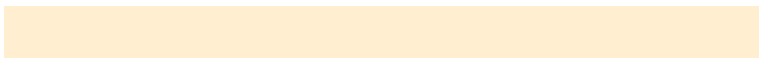
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2840, 0.2799, 0.3321



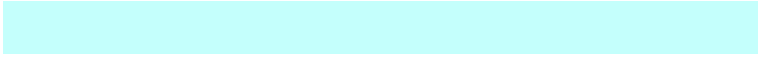
90.2840, 0.3056, 0.2960



90.2840, 0.3531, 0.3590

Complementary

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



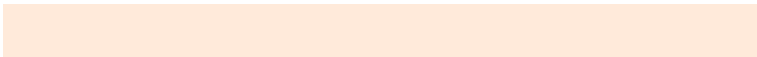
90.2840, 0.2799, 0.3321



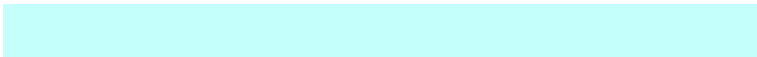
64.8718, 0.3583, 0.3260

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.



90.2840, 0.3558, 0.3433



90.2840, 0.2799, 0.3321



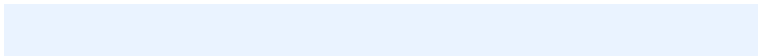
90.2840, 0.3278, 0.3077

Square

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



90.2840, 0.2799, 0.3321



90.2840, 0.2859, 0.2924



90.2840, 0.3464, 0.3247



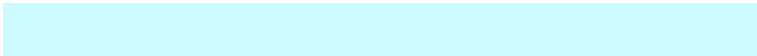
90.2840, 0.3393, 0.3674

Rectangle

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



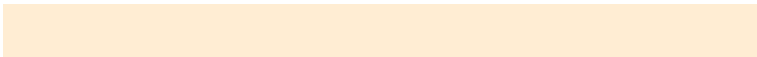
90.2840, 0.2799, 0.3321



90.2840, 0.2718, 0.3019



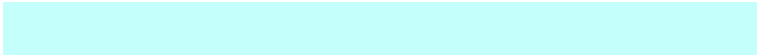
90.2840, 0.3464, 0.3247



90.2840, 0.3553, 0.3544

Sweetspot

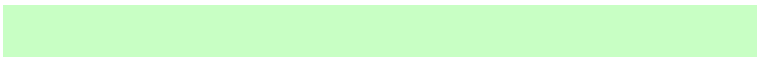
The Sweet Spot groups the original color and five complimentary colors.



90.2836, 0.2799, 0.3321



96.7113, 0.3023, 0.3299



87.7781, 0.3120, 0.3939



20.6426, 0.3015, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

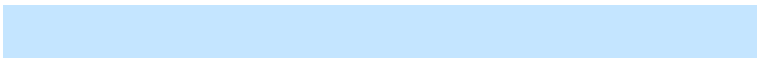
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2836, 0.2799, 0.3321



88.6466, 0.2737, 0.3328



75.2396, 0.2762, 0.3013



20.4644, 0.2987, 0.3302



40.7238, 0.2291, 0.3446



3.9699, 0.2285, 0.3427

Inverse Universe

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



64.8718, 0.3583, 0.3260



58.9746, 0.3712, 0.3253



77.2629, 0.3549, 0.3551



18.0022, 0.3286, 0.3278



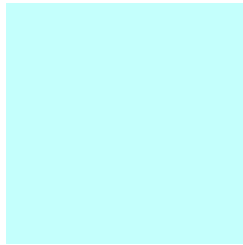
11.1304, 0.6349, 0.3271



1.0888, 0.6228, 0.3205

Previews

White Background



This preview shows how the Yxy color 90.2840, 0.2799, 0.3321 looks on a white background.

Color Contrast Check

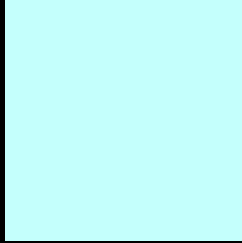
Large Text (above 18pt) WCAG AA × Fail

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 90.2840, 0.2799, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

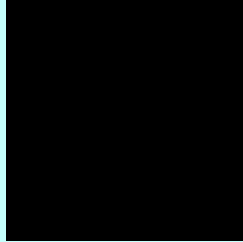
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

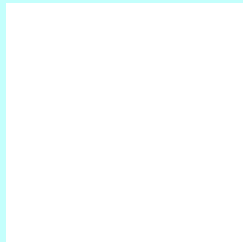
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2840, 0.2799, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 90.2840, 0.2799, 0.3321.

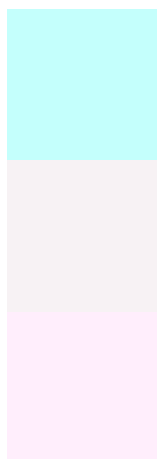


This preview shows how white text looks on a background with the Yxy color 90.2840, 0.2799, 0.3321.

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

90.2840, 0.2799, 0.3321

Protanopia

89.8101, 0.3148, 0.3270

Deuteranopia

89.4373, 0.3153, 0.3155



Tritanopia

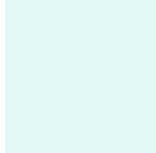
90.0724, 0.2957, 0.3209

Trichromacy



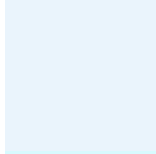
Original Color

90.2840, 0.2799, 0.3321



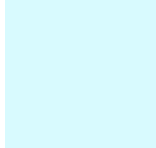
Protanomaly

89.7309, 0.3008, 0.3290



Deuteranomaly

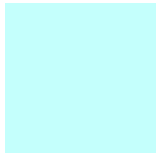
89.2221, 0.3017, 0.3210



Tritanomaly

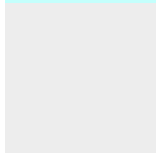
90.1259, 0.2898, 0.3248

Monochromacy



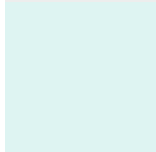
Original Color

90.2840, 0.2799, 0.3321



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.6418, 0.2999, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2840, 0.2799, 0.3321 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, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 252)  
}
```

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, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 252) }
```

Border

The CSS property to change the border of an element to Yxy 90.2840, 0.2799, 0.3321 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, 255, 252) }
```

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

```
.border{ border-color:rgb(196, 255, 252) }
```

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

Here you see how a box with a 4 pixel rgb(196, 255, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2840, 0.2799, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 252) }
```

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

```
.background{ background-color: rgb(196,  
255, 252) }
```

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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