

Converting Colors

$Y_{xy}(90.0330, 0.2784, 0.3314)$

Have a look what the booklet for
Yxy(90.0330, 0.2784, 0.3314)
contains.

Yxy(90.0812, 0.2783, 0.3310)	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(90.0812, 0.2783, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	C2FFFD
RGB	194, 255, 253
RGB Percent	76%, 100%, 99%
CMY	0.2392, 0.0000, 0.0078
CMYK	0.24, 0.00, 0.01, 0.00
HSL	178°, 100%, 88%
HSV	178°, 24%, 100%
XYZ	75.7390, 90.0812, 106.3285
YIQ	236.5330, -35.7140, -13.5540

Conversions

Conversions Part 2

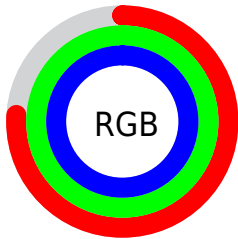
Format	Color
RYB	194, 225, 255
Decimal	12779517
CIELab	96.03, -19.34, -5.27
CIELCh	96, 20.044, 195.236
Yxy	90.0812, 0.2783, 0.3310
Android (android.graphics.Color)	4290969597 (0xFFC2FFFD)
YUV	236.5330, 8.1182, -37.3014
Hunter-Lab	94.9111, -23.6516, 0.0155

Details

The Yxy color **90.0812, 0.2783, 0.3310** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.8316, 0.3612, 0.3271**, and the grayscale version is **84.2689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **49.8627, 0.2714, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **86.9398, 0.2658, 0.3319**, and if you desaturate by 10%, it is **93.8042, 0.2921, 0.3301**.

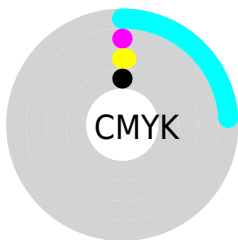
Distribution



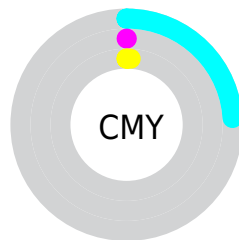
- Red (76%)
- Green (100%)
- Blue (99%)



- Red (76%)
- Yellow (88%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0812, 0.2783, 0.3310 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 90.0812, 0.2783, 0.3310 by changing the saturation by 10% instead.

 90.0812, 0.2783,
0.3310

 90.0812, 0.2783,
0.3310


528.2950, 0.2935,
0.3303

 68.0480, 0.2750,
0.3311


 147.4512, 0.2834,
0.3308

 49.9368, 0.2710,
0.3312


183.5567, 0.2855,
0.3307

 35.3632, 0.2660,
0.3313


225.1219, 0.2872,
0.3306

 23.9428, 0.2598,
0.3315

272.5310, 0.2888,
0.3305

 15.2912, 0.2515,
0.3315

326.1684, 0.2902,
0.3305

 9.0240, 0.2403,
0.3314

386.4187, 0.2914,

 4.7568, 0.2242,

0.3304

0.3310

453.6660, 0.2925,
0.3304

■ 2.1053, 0.1991,
0.3294

■ 0.6676, 0.0841,
0.3457

■ 90.0812, 0.2783,
0.3310

■ 90.0812, 0.2783,
0.3310

■ 86.9398, 0.2658,
0.3319

■ 93.8042, 0.2921,
0.3301

■ 84.3467, 0.2548,
0.3330

■ 98.1325, 0.3068,
0.3293

■ 82.2710, 0.2456,
0.3340

100.0000, 0.3127,
0.3290

■ 80.6773, 0.2383,
0.3351

■ 79.5255, 0.2330,
0.3361

■ 78.7693, 0.2296,
0.3372

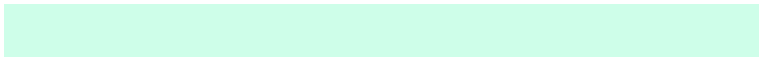
■ 78.3521, 0.2279,
0.3383

■ 78.2149, 0.2275,
0.3389

Harmonies

Analogous

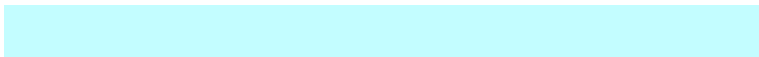
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0812, 0.2954, 0.3515



90.0812, 0.2783, 0.3310



90.0812, 0.2703, 0.3108

Triad

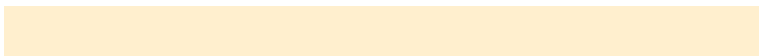
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.0812, 0.2783, 0.3310



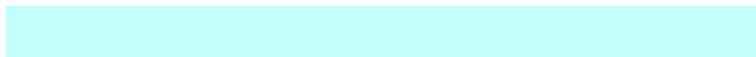
90.0812, 0.3066, 0.2956



90.0812, 0.3536, 0.3605

Complementary

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



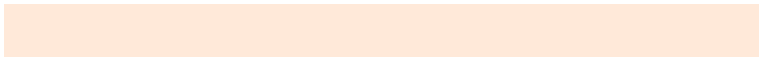
90.0812, 0.2783, 0.3310



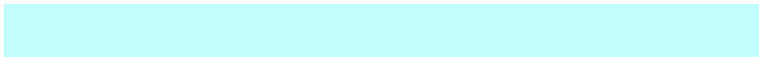
63.8316, 0.3612, 0.3271

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.



90.0812, 0.3571, 0.3446



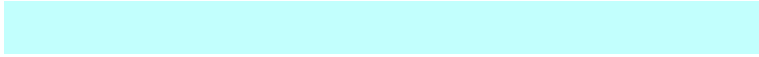
90.0812, 0.2783, 0.3310



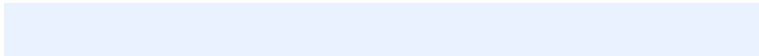
90.0812, 0.3294, 0.3080

Square

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



90.0812, 0.2783, 0.3310



90.0812, 0.2861, 0.2914



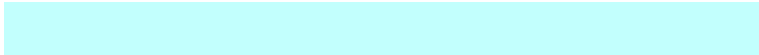
90.0812, 0.3481, 0.3256



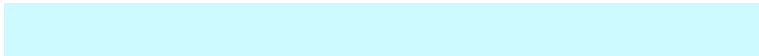
90.0812, 0.3390, 0.3686

Rectangle

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



90.0812, 0.2783, 0.3310



90.0812, 0.2709, 0.3005



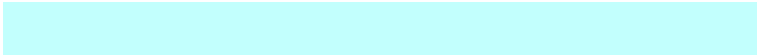
90.0812, 0.3481, 0.3256



90.0812, 0.3562, 0.3559

Sweetspot

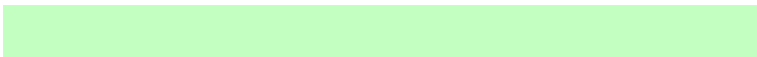
The Sweet Spot groups the original color and five complimentary colors.



90.0824, 0.2783, 0.3310



96.7328, 0.3021, 0.3295



87.1563, 0.3108, 0.3967



20.6476, 0.3013, 0.3296



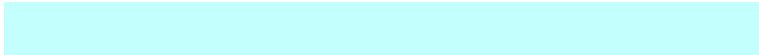
0.0000, 0.0000, 0.0000



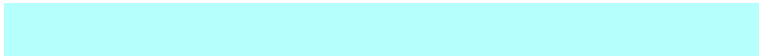
21.4041, 0.3127, 0.3290

Same Dimension

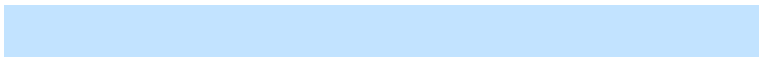
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0824, 0.2783, 0.3310



88.4151, 0.2718, 0.3315



73.3748, 0.2747, 0.2980



20.4706, 0.2984, 0.3297



40.8736, 0.2274, 0.3388



3.9828, 0.2271, 0.3375

Inverse Universe

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



63.8316, 0.3612, 0.3271



57.7664, 0.3753, 0.3267



77.6477, 0.3561, 0.3581



17.9967, 0.3289, 0.3283



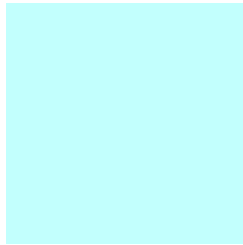
11.1225, 0.6368, 0.3282



1.0862, 0.6290, 0.3238

Previews

White Background



This preview shows how the Yxy color 90.0812, 0.2783, 0.3310 looks on a white background.

Color Contrast Check

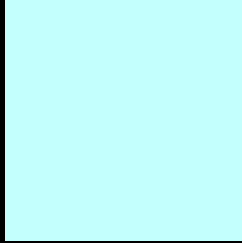
Large Text (above 18pt) WCAG AA × Fail

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 90.0812, 0.2783, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

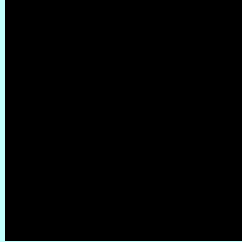
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.0812, 0.2783, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 90.0812, 0.2783, 0.3310.

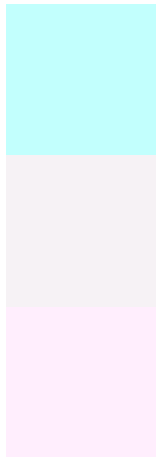


This preview shows how white text looks on a background with the Yxy color 90.0812, 0.2783, 0.3310.

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

90.0812, 0.2783, 0.3310

Protanopia

89.6897, 0.3135, 0.3260

Deuteranopia

89.5009, 0.3147, 0.3146



Tritanopia

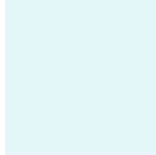
89.9103, 0.2951, 0.3209

Trichromacy



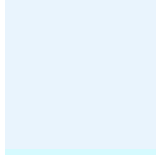
Original Color

90.0812, 0.2783, 0.3310



Protanomaly

89.6297, 0.2996, 0.3279



Deuteranomaly

89.1169, 0.3005, 0.3200



Tritanomaly

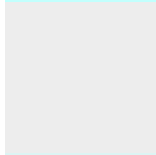
89.8231, 0.2886, 0.3248

Monochromacy



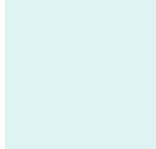
Original Color

90.0812, 0.2783, 0.3310



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.5446, 0.2987, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0812, 0.2783, 0.3310 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(194, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 253)  
}
```

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(194, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 253) }
```

Border

The CSS property to change the border of an element to Yxy 90.0812, 0.2783, 0.3310 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(194, 255, 253) }
```

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

```
.border{ border-color:rgb(194, 255, 253) }
```

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

Here you see how a box with a 4 pixel rgb(194, 255, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0812, 0.2783, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 253) }
```

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

```
.background{ background-color: rgb(194,  
255, 253) }
```

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