

Converting Colors

$Y_{xy}(100.7635, 0.2822, 0.3490)$

Have a look what the booklet for
Yxy(100.7635, 0.2822, 0.3490)
contains.

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Color

Yxy(90.3554, 0.2809, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	C5FFFB
RGB	197, 255, 251
RGB Percent	77%, 100%, 98%
CMY	0.2275, 0.0000, 0.0156
CMYK	0.23, 0.00, 0.02, 0.00
HSL	176°, 100%, 89%
HSV	176°, 23%, 100%
XYZ	76.1958, 90.3554, 104.7048
YIQ	237.2020, -33.2840, -13.5400

Conversions

Conversions Part 2

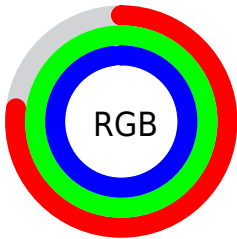
Format	Color
RYB	197, 227, 255
Decimal	12976123
CIELab	96.14, -18.90, -4.06
CIElCh	96, 19.329, 192.115
Yxy	90.3554, 0.2809, 0.3331
Android (android.graphics.Color)	4291166203 (0xFFC5FFFB)
YUV	237.2020, 6.8024, -35.2572
Hunter-Lab	95.0555, -23.2626, 1.2301

Details

The Yxy color **90.3554, 0.2809, 0.3331** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.3977, 0.3565, 0.3250**, and the grayscale version is **84.8132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0791, 0.2739, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **87.0880, 0.2686, 0.3351**, and if you desaturate by 10%, it is **94.2023, 0.2944, 0.3312**.

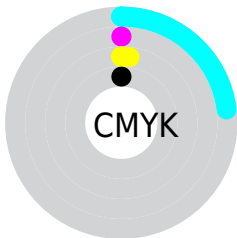
Distribution



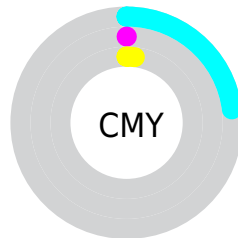
- Red (77%)
- Green (100%)
- Blue (98%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3554, 0.2809, 0.3331 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 90.3554, 0.2809, 0.3331 by changing the saturation by 10% instead.


 90.3554, 0.2809,
0.3331

 90.3554, 0.2809,
0.3331


529.1863, 0.2950,
0.3314

 68.2754, 0.2778,
0.3334

147.8320, 0.2857,
0.3326

 50.1219, 0.2741,
0.3338


183.9974, 0.2875,
0.3323

 35.5102, 0.2695,
0.3343


225.6267, 0.2892,
0.3321

 24.0562, 0.2637,
0.3349

273.1044, 0.2906,
0.3320

 15.3753, 0.2561,
0.3355

326.8148, 0.2919,
0.3318

 9.0832, 0.2456,
0.3363

387.1423, 0.2930,

 4.7955, 0.2305,

0.3317

454.4713, 0.2940,
0.3315

0.3372

2.1278, 0.2070,
0.3381

0.6802, 0.0979,
0.3597

90.3554, 0.2809,
0.3331

90.3554, 0.2809,
0.3331

87.0880, 0.2686,
0.3351

94.2023, 0.2944,
0.3312

84.3764, 0.2578,
0.3373

98.6614, 0.3087,
0.3295

82.1870, 0.2486,
0.3395

100.0000, 0.3127,
0.3290

80.4845, 0.2413,
0.3419

■ 79.2297, 0.2360,
0.3442

■ 78.3771, 0.2326,
0.3465

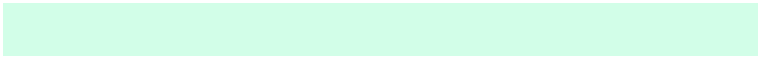
■ 77.8716, 0.2310,
0.3488

■ 77.6638, 0.2307,
0.3505

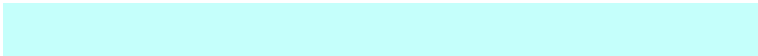
Harmonies

Analogous

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



90.3554, 0.2981, 0.3524



90.3554, 0.2809, 0.3331



90.3554, 0.2721, 0.3134

Triad

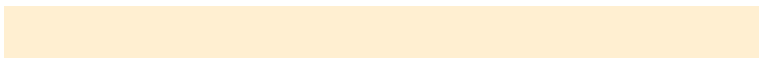
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3554, 0.2809, 0.3331



90.3554, 0.3046, 0.2960



90.3554, 0.3530, 0.3581

Complementary

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



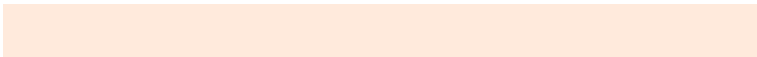
90.3554, 0.2809, 0.3331



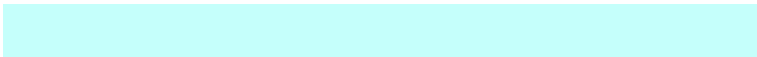
65.3977, 0.3565, 0.3250

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.



90.3554, 0.3551, 0.3423



90.3554, 0.2809, 0.3331



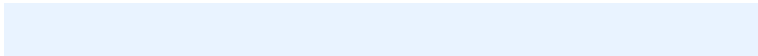
90.3554, 0.3266, 0.3072

Square

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



90.3554, 0.2809, 0.3331



90.3554, 0.2854, 0.2928



90.3554, 0.3453, 0.3238



90.3554, 0.3399, 0.3668

Rectangle

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



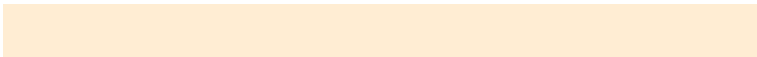
90.3554, 0.2809, 0.3331



90.3554, 0.2720, 0.3029



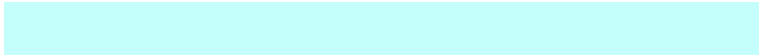
90.3554, 0.3453, 0.3238



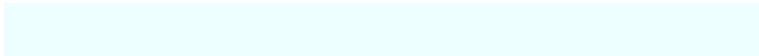
90.3554, 0.3551, 0.3534

Sweetspot

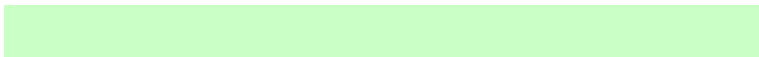
The Sweet Spot groups the original color and five complimentary colors.



90.3535, 0.2809, 0.3331



96.6917, 0.3025, 0.3302



88.0807, 0.3127, 0.3926



20.6380, 0.3016, 0.3303



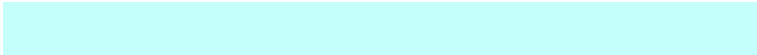
0.0000, 0.0000, 0.0000



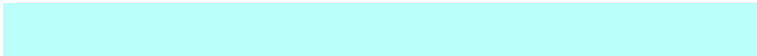
21.4041, 0.3127, 0.3290

Same Dimension

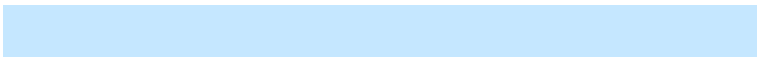
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3535, 0.2809, 0.3331



88.8973, 0.2755, 0.3339



76.1408, 0.2769, 0.3029



20.4587, 0.2989, 0.3306



40.5901, 0.2306, 0.3501



3.9583, 0.2299, 0.3475

Inverse Universe

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



65.3977, 0.3565, 0.3250



60.1971, 0.3675, 0.3242



77.0844, 0.3543, 0.3537



18.0073, 0.3284, 0.3274



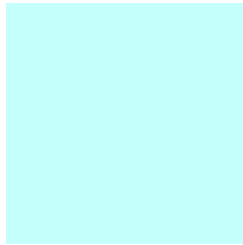
11.1382, 0.6330, 0.3261



1.0912, 0.6173, 0.3174

Previews

White Background



This preview shows how the Yxy color 90.3554, 0.2809, 0.3331 looks on a white background.

Color Contrast Check

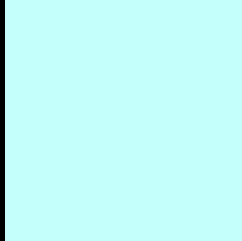
Large Text (above 18pt) WCAG AA × Fail

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 90.3554, 0.2809, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

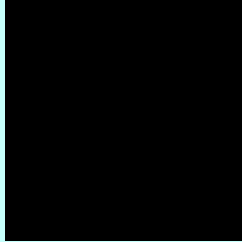
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.3554, 0.2809, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 90.3554, 0.2809, 0.3331.

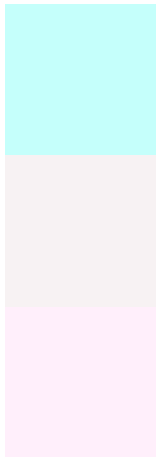


This preview shows how white text looks on a background with the Yxy color 90.3554, 0.2809, 0.3331.

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

90.3554, 0.2809, 0.3331

Protanopia

89.7495, 0.3154, 0.3280

Deuteranopia

89.9580, 0.3159, 0.3174



Tritanopia

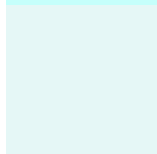
90.2355, 0.2963, 0.3209

Trichromacy



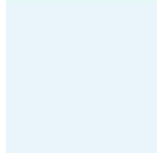
Original Color

90.3554, 0.2809, 0.3331



Protanomaly

89.8334, 0.3020, 0.3300



Deuteranomaly

89.7623, 0.3022, 0.3230



Tritanomaly

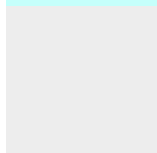
90.2787, 0.2903, 0.3249

Monochromacy



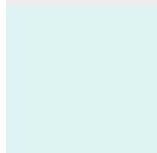
Original Color

90.3554, 0.2809, 0.3331



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 90.3554, 0.2809, 0.3331 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(197, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 251)  
}
```

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(197, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 90.3554, 0.2809, 0.3331 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(197, 255, 251) }
```

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

```
.border{ border-color:rgb(197, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3554, 0.2809, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 251) }
```

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

```
.background{ background-color: rgb(197,  
255, 251) }
```

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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