

Converting Colors

$Y_{xy}(104.9384, 0.2249, 0.2044)$

Have a look what the booklet for
Yxy(104.9384, 0.2249, 0.2044)
contains.

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Color

Yxy(90.9869, 0.2876, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	D5FCFF
RGB	213, 252, 255
RGB Percent	84%, 99%, 100%
CMY	0.1647, 0.0117, 0.0001
CMYK	0.16, 0.01, 0.00, 0.00
HSL	184°, 100%, 92%
HSV	184°, 16%, 100%
XYZ	80.2941, 90.9869, 107.9056
YIQ	240.6810, -24.2070, -7.3350

Conversions

Conversions Part 2

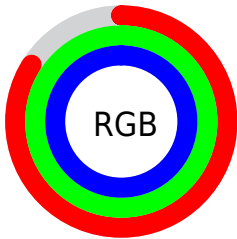
Format	Color
R _Y B	213, 233, 255
Decimal	14023935
CIE Lab	96.40, -11.84, -5.60
CIE LCh	96, 13.097, 205.308
Yxy	90.9869, 0.2876, 0.3259
Android (android.graphics.Color)	4292214015 (0xFFD5FCFF)
YUV	240.6810, 7.0593, -24.2762
Hunter-Lab	95.3871, -16.6712, -0.3003

Details

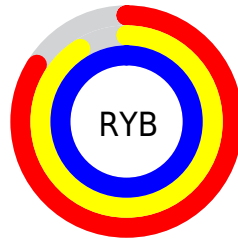
The Yxy color **90.9869, 0.2876, 0.3259** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.1406, 0.3437, 0.3321**, and the grayscale version is **87.6568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3765, 0.2826, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **86.3519, 0.2734, 0.3238**, and if you desaturate by 10%, it is **96.2393, 0.3027, 0.3278**.

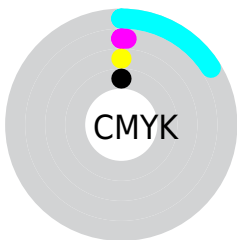
Distribution



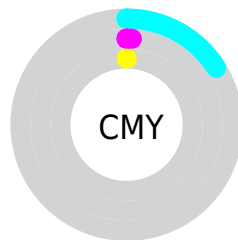
- Red (84%)
- Green (99%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9869, 0.2876, 0.3259 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 90.9869, 0.2876, 0.3259 by changing the saturation by 10% instead.

 90.9869, 0.2876,
0.3259

 90.9869, 0.2876,
0.3259


531.2360, 0.2987,
0.3274

 68.7995, 0.2852,
0.3255


148.7085, 0.2913,
0.3264

 50.5484, 0.2823,
0.3251


185.0114, 0.2928,
0.3266

 35.8493, 0.2786,
0.3245


226.7883, 0.2941,
0.3268

 24.3179, 0.2740,
0.3238

274.4236, 0.2953,
0.3270

 15.5696, 0.2680,
0.3228

328.3016, 0.2963,
0.3271

 9.2201, 0.2598,
0.3213

388.8067, 0.2972,

 4.8850, 0.2479,

0.3272

0.3189

456.3234, 0.2980,
0.3273

■ 2.1800, 0.2292,
0.3146

■ 0.7090, 0.1695,
0.3122

■ 90.9869, 0.2876,
0.3259

■ 90.9869, 0.2876,
0.3259

■ 86.3519, 0.2734,
0.3238

■ 96.2393, 0.3027,
0.3278

■ 82.2952, 0.2604,
0.3216

99.9976, 0.3127,
0.3290

■ 78.7904, 0.2489,
0.3193

■ 75.8044, 0.2391,
0.3169

■ 73.3008, 0.2312,
0.3145

■ 71.2381, 0.2253,
0.3120

■ 69.5680, 0.2213,
0.3096

■ 68.2297, 0.2190,
0.3073

■ 67.8032, 0.2185,
0.3064

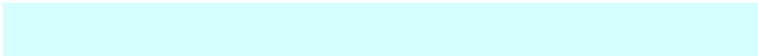
Harmonies

Analogous

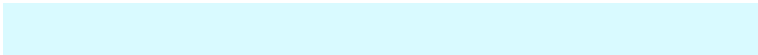
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9869, 0.2972, 0.3394



90.9869, 0.2876, 0.3259



90.9869, 0.2846, 0.3137

Triad

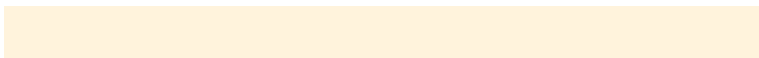
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.9869, 0.2876, 0.3259



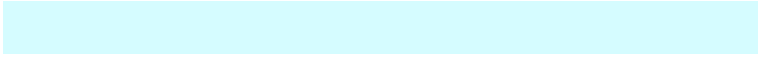
90.9869, 0.3139, 0.3092



90.9869, 0.3369, 0.3521

Complementary

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



90.9869, 0.2876, 0.3259



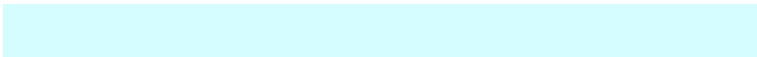
75.1406, 0.3437, 0.3321

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.



90.9869, 0.3417, 0.3434



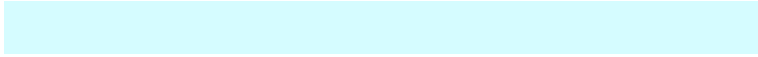
90.9869, 0.2876, 0.3259



90.9869, 0.3282, 0.3188

Square

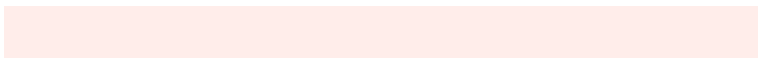
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.9869, 0.2876, 0.3259



90.9869, 0.2995, 0.3044



90.9869, 0.3385, 0.3312



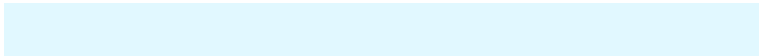
90.9869, 0.3256, 0.3547

Rectangle

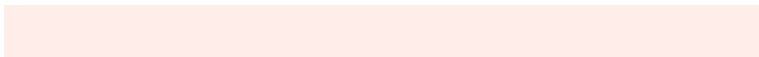
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.9869, 0.2876, 0.3259



90.9869, 0.2867, 0.3079



90.9869, 0.3385, 0.3312



90.9869, 0.3393, 0.3498

Sweetspot

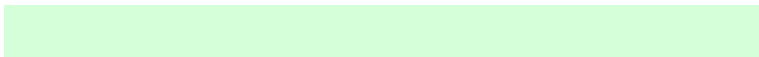
The Sweet Spot groups the original color and five complimentary colors.



90.9907, 0.2876, 0.3259



97.0907, 0.3049, 0.3281



90.5888, 0.3091, 0.3706



20.6966, 0.3038, 0.3280



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

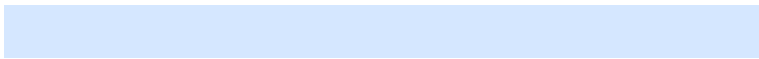
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9907, 0.2876, 0.3259



89.3099, 0.2825, 0.3252



78.6157, 0.2866, 0.3040



20.2497, 0.2980, 0.3273



35.5330, 0.2186, 0.3068



3.5227, 0.2193, 0.3095

Inverse Universe

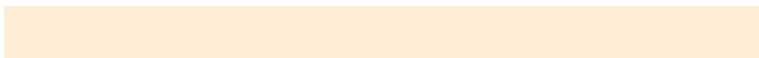
The Inverse Universe completely reimagines the original color for something new.



75.8672, 0.3166, 0.2908



71.4368, 0.3175, 0.2825



86.4958, 0.3404, 0.3528



18.2770, 0.3149, 0.3072



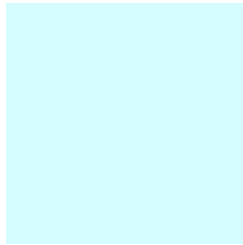
14.3150, 0.3394, 0.1644



1.4002, 0.3371, 0.1631

Previews

White Background



This preview shows how the Yxy color 90.9869, 0.2876, 0.3259 looks on a white background.

Color Contrast Check

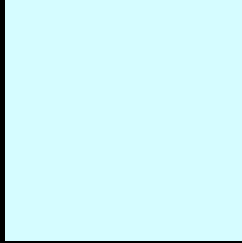
Large Text (above 18pt) WCAG AA × Fail

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 90.9869, 0.2876, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

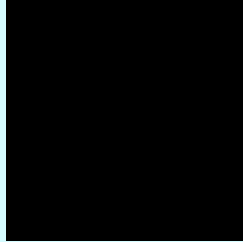
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.9869, 0.2876, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 90.9869, 0.2876, 0.3259.

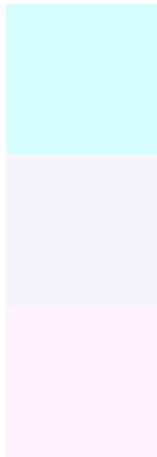


This preview shows how white text looks on a background with the Yxy color 90.9869, 0.2876, 0.3259.

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

90.9869, 0.2876, 0.3259

Protanopia

90.7775, 0.3111, 0.3222

Deuteranopia

90.6720, 0.3146, 0.3165



Tritanopia

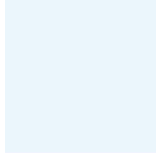
90.4552, 0.2993, 0.3200

Trichromacy



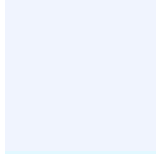
Original Color

90.9869, 0.2876, 0.3259



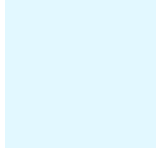
Protanomaly

90.6020, 0.3023, 0.3230



Deuteranomaly

90.3824, 0.3043, 0.3191



Tritanomaly

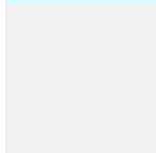
90.5236, 0.2951, 0.3219

Monochromacy



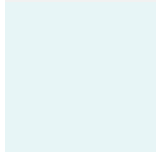
Original Color

90.9869, 0.2876, 0.3259



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

88.9476, 0.3032, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9869, 0.2876, 0.3259 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(213, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 252, 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(213, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.9869, 0.2876, 0.3259 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(213, 252, 255) }
```

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

```
.border{ border-color:rgb(213, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 252,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9869, 0.2876, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 252, 255) }
```

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

```
.background{ background-color: rgb(213,  
252, 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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