

Converting Colors

$Yxy(89.9684, 0.2911, 0.3227)$

Have a look what the booklet for
Yxy(89.9684, 0.2911, 0.3227)
contains.

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Color

Yxy(90.0314, 0.2909, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	DBF9FF
RGB	219, 249, 255
RGB Percent	86%, 98%, 100%
CMY	0.1413, 0.0235, 0.0000
CMYK	0.14, 0.02, 0.00, 0.00
HSL	190°, 100%, 93%
HSV	190°, 14%, 100%
XYZ	81.1342, 90.0314, 107.7420
YIQ	240.7140, -19.8060, -4.4940

Conversions

Conversions Part 2

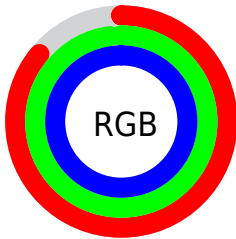
Format	Color
R _Y B	219, 235, 255
Decimal	14416383
CIE Lab	96.01, -8.49, -6.18
CIE LCh	96, 10.504, 216.030
Yxy	90.0314, 0.2909, 0.3228
Android (android.graphics.Color)	4292606463 (0xFFDBF9FF)
YUV	240.7140, 7.0430, -19.0432
Hunter-Lab	94.8849, -13.4166, -0.9045

Details

The Yxy color **90.0314, 0.2909, 0.3228** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.1936, 0.3382, 0.3351**, and the grayscale version is **87.6767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1097, 0.2868, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **83.7870, 0.2761, 0.3180**, and if you desaturate by 10%, it is **96.9429, 0.3063, 0.3273**.

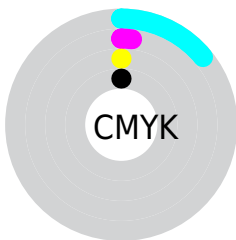
Distribution



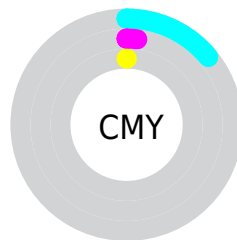
- Red (86%)
- Green (98%)
- Blue (100%)



- Red (86%)
- Yellow (92%)
- Blue (100%)



- Cyan (14%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.0314, 0.2909, 0.3228 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 90.0314, 0.2909, 0.3228 by changing the saturation by 10% instead.

 90.0314, 0.2909,
0.3228

 90.0314, 0.2909,
0.3228


528.1330, 0.3006,
0.3257

 68.0067, 0.2888,
0.3222


147.3820, 0.2942,
0.3238

 49.9032, 0.2862,
0.3214


183.4767, 0.2955,
0.3242

 35.3365, 0.2831,
0.3204


225.0302, 0.2966,
0.3245

 23.9222, 0.2790,
0.3191

272.4268, 0.2976,
0.3248

 15.2759, 0.2737,
0.3173

326.0510, 0.2984,
0.3250

 9.0132, 0.2665,
0.3148

386.2872, 0.2992,

 4.7498, 0.2560,

0.3253

0.3111

453.5197, 0.2999,
0.3255

■ 2.1012, 0.2393,
0.3046

■ 0.6653, 0.1881,
0.2944

■ 90.0314, 0.2909,
0.3228

■ 90.0314, 0.2909,
0.3228

■ 83.7870, 0.2761,
0.3180

■ 96.9429, 0.3063,
0.3273

■ 78.1785, 0.2621,
0.3128

100.0000, 0.3127,
0.3290

■ 73.1769, 0.2493,
0.3073

■ 68.7497, 0.2379,
0.3015

■ 64.8609, 0.2283,
0.2956

■ 61.4699, 0.2206,
0.2895

■ 58.5300, 0.2149,
0.2835

■ 55.9836, 0.2111,
0.2775

■ 54.6254, 0.2095,
0.2740

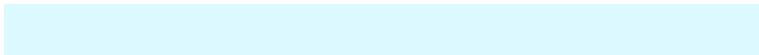
Harmonies

Analogous

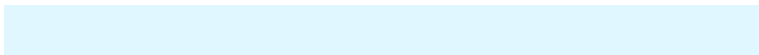
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0314, 0.2969, 0.3336



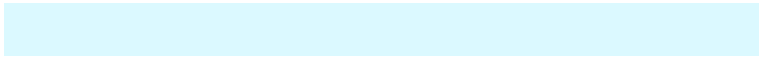
90.0314, 0.2909, 0.3228



90.0314, 0.2906, 0.3140

Triad

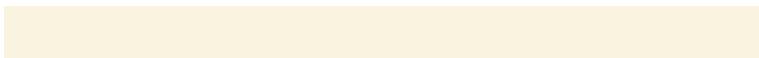
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.0314, 0.2909, 0.3228



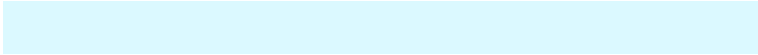
90.0314, 0.3180, 0.3154



90.0314, 0.3294, 0.3490

Complementary

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



90.0314, 0.2909, 0.3228



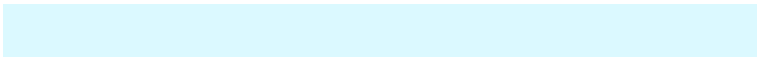
80.1936, 0.3382, 0.3351

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.



90.0314, 0.3353, 0.3436



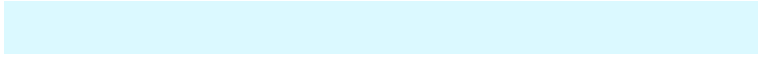
90.0314, 0.2909, 0.3228



90.0314, 0.3287, 0.3243

Square

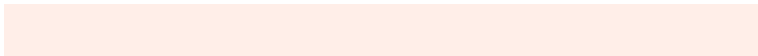
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0314, 0.2909, 0.3228



90.0314, 0.3061, 0.3099



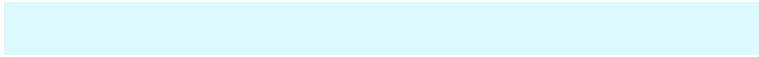
90.0314, 0.3351, 0.3345



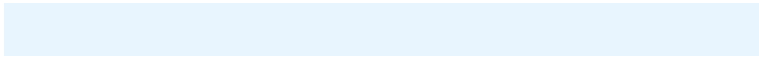
90.0314, 0.3191, 0.3489

Rectangle

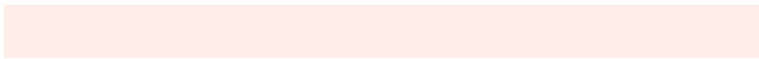
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.0314, 0.2909, 0.3228



90.0314, 0.2937, 0.3104



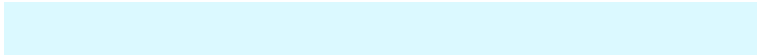
90.0314, 0.3351, 0.3345



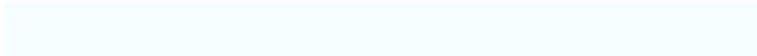
90.0314, 0.3320, 0.3477

Sweetspot

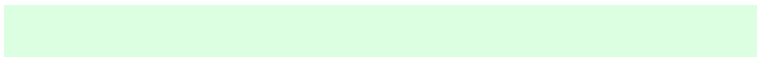
The Sweet Spot groups the original color and five complimentary colors.



90.0325, 0.2909, 0.3228



97.0401, 0.3065, 0.3273



91.9752, 0.3079, 0.3609



20.6541, 0.3053, 0.3270



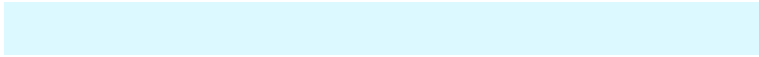
0.0000, 0.0000, 0.0000



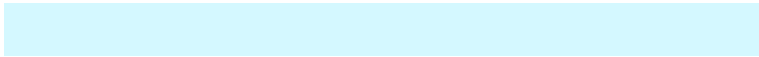
21.4041, 0.3127, 0.3290

Same Dimension

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



90.0325, 0.2909, 0.3228



88.1758, 0.2866, 0.3215



79.7467, 0.2903, 0.3047



19.9374, 0.2980, 0.3250



28.7332, 0.2097, 0.2750



2.9280, 0.2116, 0.2818

Inverse Universe

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



78.7416, 0.3183, 0.2996



74.9369, 0.3196, 0.2935



90.1062, 0.3357, 0.3522



18.2455, 0.3164, 0.3094



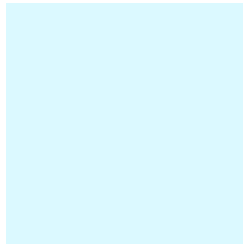
13.6286, 0.3681, 0.1801



1.3401, 0.3618, 0.1767

Previews

White Background



This preview shows how the Yxy color 90.0314, 0.2909, 0.3228 looks on a white background.

Color Contrast Check

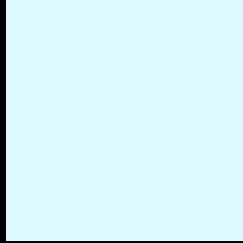
Large Text (above 18pt) WCAG AA × Fail

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 90.0314, 0.2909, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

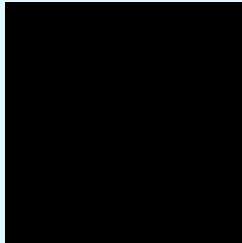
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.0314, 0.2909, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 90.0314, 0.2909, 0.3228.

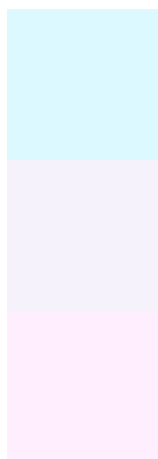


This preview shows how white text looks on a background with the Yxy color 90.0314, 0.2909, 0.3228.

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

90.0314, 0.2909, 0.3228

Protanopia

89.8818, 0.3093, 0.3202

Deuteranopia

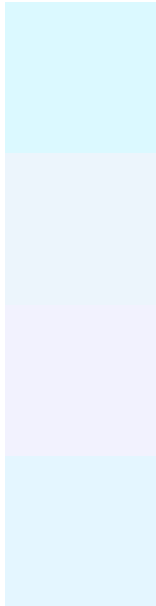
89.5009, 0.3147, 0.3146



Tritanopia

89.8485, 0.2993, 0.3190

Trichromacy



Original Color

90.0314, 0.2909, 0.3228

Protanomaly

90.1660, 0.3029, 0.3220

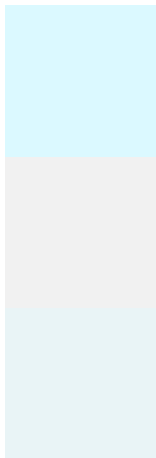
Deuteranomaly

89.5373, 0.3056, 0.3172

Tritanomaly

89.6255, 0.2963, 0.3199

Monochromacy



Original Color

90.0314, 0.2909, 0.3228

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.6788, 0.3045, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0314, 0.2909, 0.3228 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(219, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.0314, 0.2909, 0.3228 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(219, 249, 255) }
```

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

```
.border{ border-color:rgb(219, 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(219, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0314, 0.2909, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 249, 255) }
```

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

```
.background{ background-color: rgb(219,  
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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