

Converting Colors

$Yxy(91.0208, 0.2854, 0.3073)$

Have a look what the booklet for
Yxy(91.0208, 0.2854, 0.3073)
contains.

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Color

Yxy(90.0428, 0.2933, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	DFF8FF
RGB	223, 248, 255
RGB Percent	87%, 97%, 100%
CMY	0.1255, 0.0274, 0.0001
CMYK	0.13, 0.03, 0.00, 0.00
HSL	193°, 100%, 94%
HSV	193°, 13%, 100%
XYZ	82.0427, 90.0428, 107.6374
YIQ	241.3230, -17.1470, -3.1230

Conversions

Conversions Part 2

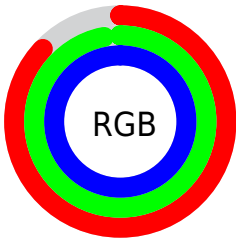
Format	Color
R_{YB}	223, 237, 255
Decimal	14678271
CIE _{Lab}	96.01, -6.75, -6.11
CIE _{LCh}	96, 9.103, 222.126
Yxy	90.0428, 0.2933, 0.3219
Android (android.graphics.Color)	4292868351 (0xFFDFF8FF)
YUV	241.3230, 6.7428, -16.0693
Hunter-Lab	94.8909, -11.7278, -0.8307

Details

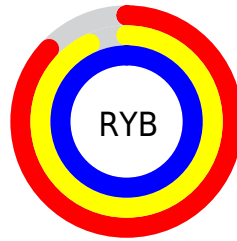
The Yxy color **90.0428, 0.2933, 0.3219** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.1490, 0.3347, 0.3360**, and the grayscale version is **88.1869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1013, 0.2897, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **82.9350, 0.2782, 0.3156**, and if you desaturate by 10%, it is **97.8690, 0.3088, 0.3276**.

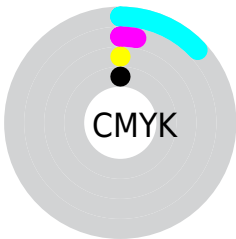
Distribution



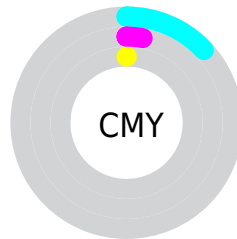
- Red (87%)
- Green (97%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0428, 0.2933, 0.3219 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 90.0428, 0.2933, 0.3219 by changing the saturation by 10% instead.


 90.0428, 0.2933,
0.3219

 90.0428, 0.2933,
0.3219

528.1701, 0.3019,
0.3251

 68.0161, 0.2914,
0.3212


147.3978, 0.2962,
0.3230

 49.9109, 0.2891,
0.3203


183.4950, 0.2974,
0.3234

 35.3426, 0.2863,
0.3192


225.0512, 0.2984,
0.3238

 23.9269, 0.2827,
0.3177

272.4506, 0.2992,
0.3242

 15.2794, 0.2780,
0.3158

326.0779, 0.3000,
0.3244

 9.0157, 0.2715,
0.3131

386.3173, 0.3007,

 4.7514, 0.2621,

0.3247

0.3090

453.5532, 0.3013,
0.3249

■ 2.1022, 0.2471,
0.3022

■ 0.6658, 0.2037,
0.2897

■ 90.0428, 0.2933,
0.3219

■ 90.0428, 0.2933,
0.3219

■ 82.9350, 0.2782,
0.3156

■ 97.8690, 0.3088,
0.3276

■ 76.5065, 0.2637,
0.3088

99.9981, 0.3127,
0.3290

■ 70.7307, 0.2501,
0.3016

■ 65.5752, 0.2379,
0.2939

■ 61.0040, 0.2273,
0.2860

■ 56.9770, 0.2185,
0.2779

■ 53.4479, 0.2118,
0.2698

■ 50.3609, 0.2070,
0.2618

■ 48.2857, 0.2044,
0.2558

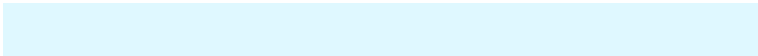
Harmonies

Analogous

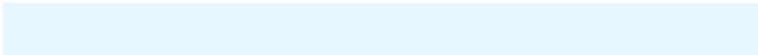
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0428, 0.2976, 0.3311



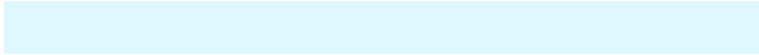
90.0428, 0.2933, 0.3219



90.0428, 0.2941, 0.3149

Triad

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



90.0428, 0.2933, 0.3219



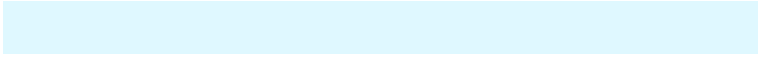
90.0428, 0.3194, 0.3185



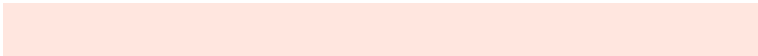
90.0428, 0.3256, 0.3467

Complementary

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



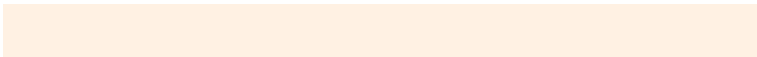
90.0428, 0.2933, 0.3219



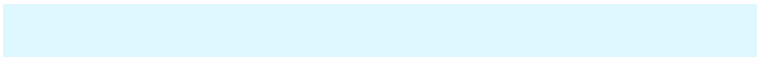
83.1490, 0.3347, 0.3360

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.



90.0428, 0.3317, 0.3430



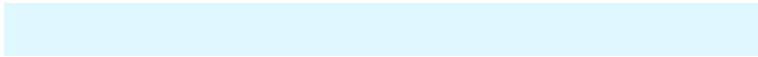
90.0428, 0.2933, 0.3219



90.0428, 0.3280, 0.3267

Square

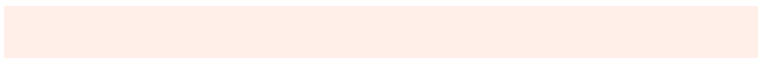
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0428, 0.2933, 0.3219



90.0428, 0.3090, 0.3131



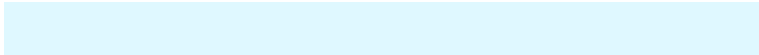
90.0428, 0.3326, 0.3356



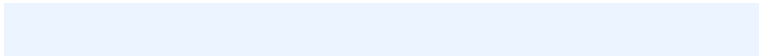
90.0428, 0.3162, 0.3456

Rectangle

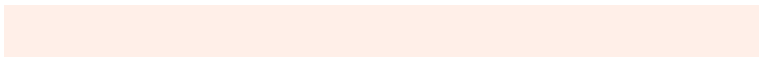
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



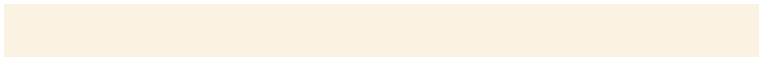
90.0428, 0.2933, 0.3219



90.0428, 0.2974, 0.3123



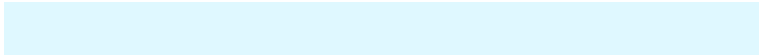
90.0428, 0.3326, 0.3356



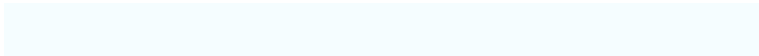
90.0428, 0.3281, 0.3460

Sweetspot

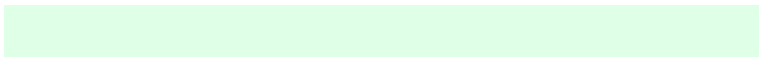
The Sweet Spot groups the original color and five complimentary colors.



90.0466, 0.2933, 0.3219



96.7083, 0.3065, 0.3268



92.8969, 0.3073, 0.3548



20.5699, 0.3053, 0.3264



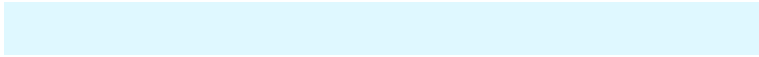
0.0000, 0.0000, 0.0000



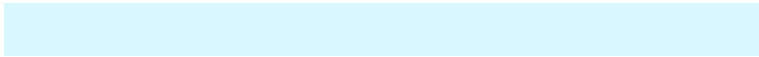
21.4041, 0.3127, 0.3290

Same Dimension

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



90.0466, 0.2933, 0.3219



88.2565, 0.2895, 0.3204



80.6483, 0.2929, 0.3054



19.7710, 0.2980, 0.3237



25.4663, 0.2048, 0.2572



2.6379, 0.2073, 0.2663

Inverse Universe

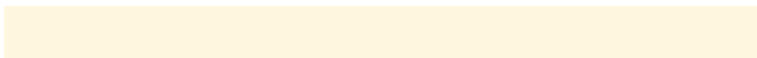
The Inverse Universe completely reimagines the original color for something new.



80.8041, 0.3187, 0.3046



77.4523, 0.3200, 0.2996



92.4387, 0.3327, 0.3515



18.2287, 0.3172, 0.3106



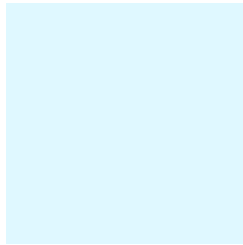
13.2988, 0.3852, 0.1895



1.3108, 0.3763, 0.1847

Previews

White Background



This preview shows how the Yxy color 90.0428, 0.2933, 0.3219 looks on a white background.

Color Contrast Check

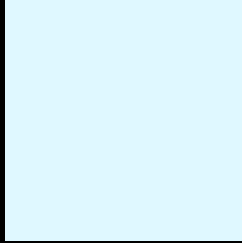
Large Text (above 18pt) WCAG AA × Fail

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 90.0428, 0.2933, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

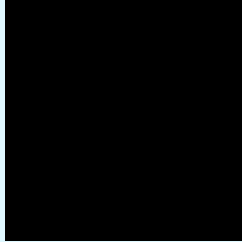
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.0428, 0.2933, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 90.0428, 0.2933, 0.3219.

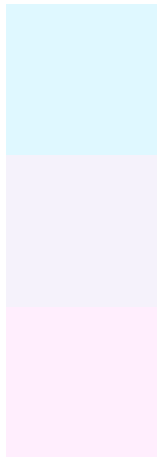


This preview shows how white text looks on a background with the Yxy color 90.0428, 0.2933, 0.3219.

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

90.0428, 0.2933, 0.3219

Protanopia

89.8818, 0.3093, 0.3202

Deuteranopia

89.5009, 0.3147, 0.3146



Tritanopia

90.0172, 0.2999, 0.3190

Trichromacy



Original Color

90.0428, 0.2933, 0.3219

Protanomaly

89.7342, 0.3035, 0.3210

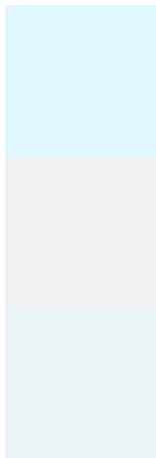
Deuteranomaly

89.7147, 0.3062, 0.3172

Tritanomaly

89.9545, 0.2975, 0.3199

Monochromacy



Original Color

90.0428, 0.2933, 0.3219

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.8476, 0.3051, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0428, 0.2933, 0.3219 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(223, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 248, 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(223, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.0428, 0.2933, 0.3219 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(223, 248, 255) }
```

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

```
.border{ border-color:rgb(223, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 248, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 248, 255); box-shadow:4px 4px 4px 4px rgb(223, 248, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0428, 0.2933, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 248, 255) }
```

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

```
.background{ background-color: rgb(223,  
248, 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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