

Converting Colors

$Yxy(91.9892, 0.2802, 0.3017)$

Have a look what the booklet for
Yxy(91.9892, 0.2802, 0.3017)
contains.

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Color

Yxy(90.1870, 0.2915, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	DCF9FF
RGB	220, 249, 255
RGB Percent	86%, 98%, 100%
CMY	0.1373, 0.0235, 0.0000
CMYK	0.14, 0.02, 0.00, 0.00
HSL	190°, 100%, 93%
HSV	190°, 14%, 100%
XYZ	81.4421, 90.1870, 107.7606
YIQ	241.0130, -19.2100, -4.2820

Conversions

Conversions Part 2

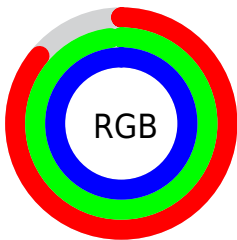
Format	Color
R_{YB}	220, 236, 255
Decimal	14481919
CIE _{Lab}	96.07, -8.17, -6.08
CIE _{LCh}	96, 10.186, 216.639
Yxy	90.1870, 0.2915, 0.3228
Android (android.graphics.Color)	4292671999 (0xFFDC9FF)
YUV	241.0130, 6.8956, -18.4284
Hunter-Lab	94.9668, -13.1131, -0.8007

Details

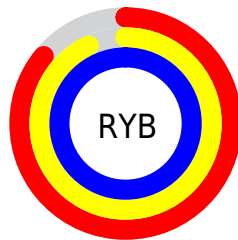
The Yxy color **90.1870, 0.2915, 0.3228** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.8064, 0.3373, 0.3351**, and the grayscale version is **87.9275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2165, 0.2875, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **83.8408, 0.2766, 0.3179**, and if you desaturate by 10%, it is **97.2042, 0.3069, 0.3274**.

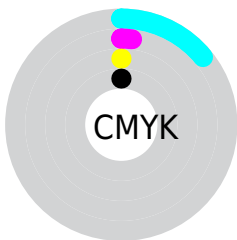
Distribution



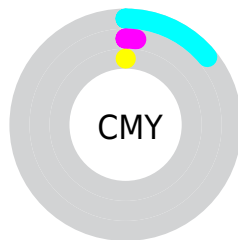
- Red (86%)
- Green (98%)
- Blue (100%)



- Red (86%)
- Yellow (93%)
- 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 90.1870, 0.2915, 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 90.1870, 0.2915, 0.3228 by changing the saturation by 10% instead.

 90.1870, 0.2915,
0.3228

 90.1870, 0.2915,
0.3228


528.6390, 0.3009,
0.3256

 68.1358, 0.2895,
0.3222


147.5981, 0.2947,
0.3238

 50.0082, 0.2870,
0.3214


183.7268, 0.2959,
0.3242

 35.4199, 0.2839,
0.3204


225.3167, 0.2970,
0.3245

 23.9865, 0.2800,
0.3191

272.7523, 0.2980,
0.3248

 15.3236, 0.2748,
0.3173

326.4179, 0.2988,
0.3250

 9.0468, 0.2678,
0.3149

386.6979, 0.2996,

 4.7717, 0.2575,

0.3253

0.3112

453.9768, 0.3003,
0.3255

■ 2.1140, 0.2413,
0.3048

■ 0.6725, 0.1926,
0.2946

■ 90.1870, 0.2915,
0.3228

■ 90.1870, 0.2915,
0.3228

■ 83.8408, 0.2766,
0.3179

■ 97.2042, 0.3069,
0.3274

■ 78.1356, 0.2626,
0.3125

100.0000, 0.3127,
0.3290

■ 73.0422, 0.2497,
0.3068

■ 68.5280, 0.2382,
0.3009

■ 64.5571, 0.2284,
0.2948

■ 61.0894, 0.2206,
0.2885

■ 58.0780, 0.2147,
0.2823

■ 55.4663, 0.2107,
0.2761

■ 53.9823, 0.2090,
0.2723

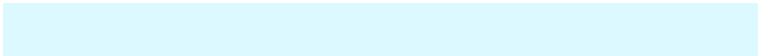
Harmonies

Analogous

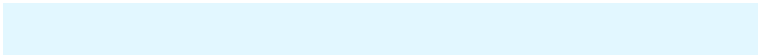
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1870, 0.2972, 0.3332



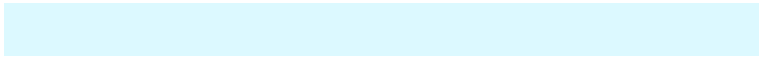
90.1870, 0.2915, 0.3228



90.1870, 0.2913, 0.3143

Triad

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



90.1870, 0.2915, 0.3228



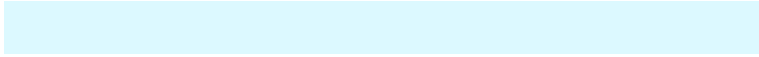
90.1870, 0.3181, 0.3159



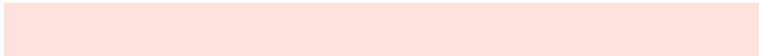
90.1870, 0.3287, 0.3484

Complementary

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



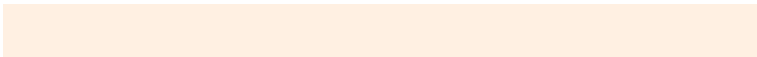
90.1870, 0.2915, 0.3228



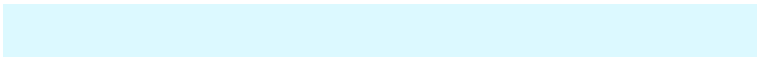
80.8064, 0.3373, 0.3351

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.



90.1870, 0.3346, 0.3433



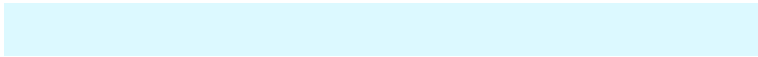
90.1870, 0.2915, 0.3228



90.1870, 0.3283, 0.3246

Square

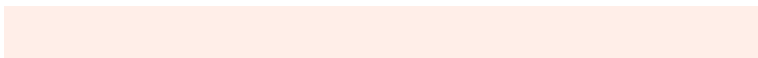
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



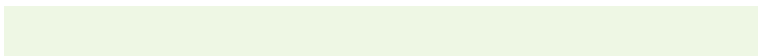
90.1870, 0.2915, 0.3228



90.1870, 0.3065, 0.3106



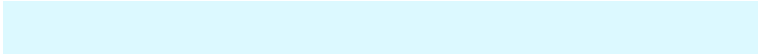
90.1870, 0.3344, 0.3346



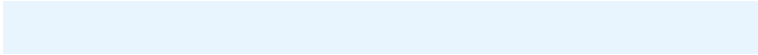
90.1870, 0.3187, 0.3483

Rectangle

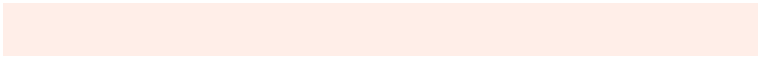
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1870, 0.2915, 0.3228



90.1870, 0.2944, 0.3109



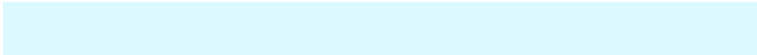
90.1870, 0.3344, 0.3346



90.1870, 0.3313, 0.3472

Sweetspot

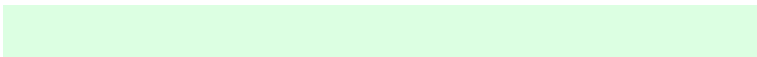
The Sweet Spot groups the original color and five complimentary colors.



90.1878, 0.2915, 0.3229



97.0076, 0.3065, 0.3273



92.2139, 0.3077, 0.3593



20.6458, 0.3053, 0.3270



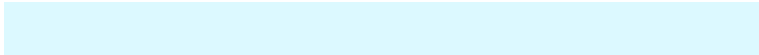
0.0000, 0.0000, 0.0000



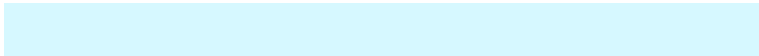
21.4041, 0.3127, 0.3290

Same Dimension

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



90.1878, 0.2915, 0.3229



88.6908, 0.2881, 0.3218



79.9520, 0.2910, 0.3048



19.9210, 0.2980, 0.3248



28.4014, 0.2093, 0.2733



2.8987, 0.2112, 0.2803

Inverse Universe

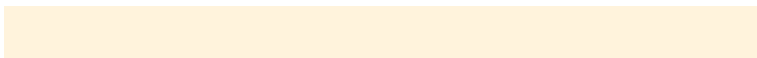
The Inverse Universe completely reimagines the original color for something new.



79.2770, 0.3183, 0.3006



76.2327, 0.3193, 0.2958



90.7237, 0.3349, 0.3521



18.2438, 0.3164, 0.3095



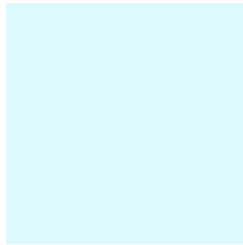
13.5951, 0.3697, 0.1810



1.3372, 0.3632, 0.1774

Previews

White Background



This preview shows how the Yxy color 90.1870, 0.2915, 0.3228 looks on a white background.

Color Contrast Check

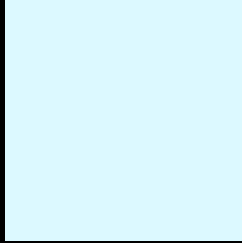
Large Text (above 18pt) WCAG AA × Fail

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 90.1870, 0.2915, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

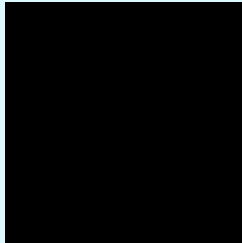
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.1870, 0.2915, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 90.1870, 0.2915, 0.3228.

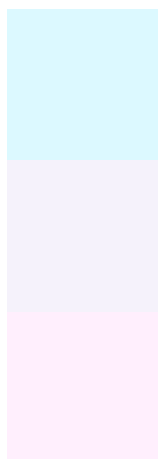


This preview shows how white text looks on a background with the Yxy color 90.1870, 0.2915, 0.3228.

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

90.1870, 0.2915, 0.3228

Protanopia

89.8818, 0.3093, 0.3202

Deuteranopia

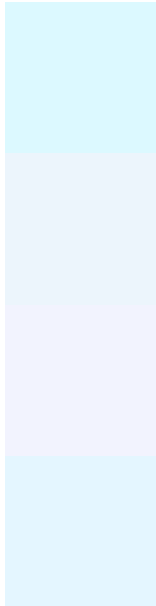
90.0849, 0.3147, 0.3155



Tritanopia

89.8485, 0.2993, 0.3190

Trichromacy



Original Color

90.1870, 0.2915, 0.3228

Protanomaly

90.1660, 0.3029, 0.3220

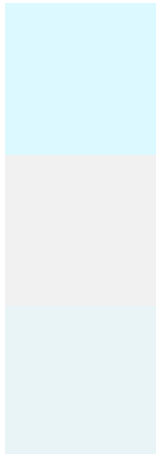
Deuteranomaly

90.1342, 0.3055, 0.3182

Tritanomaly

89.6255, 0.2963, 0.3199

Monochromacy



Original Color

90.1870, 0.2915, 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 90.1870, 0.2915, 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(220, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.1870, 0.2915, 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(220, 249, 255) }
```

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

```
.border{ border-color:rgb(220, 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(220, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1870, 0.2915, 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(220, 249, 255) }
```

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

```
.background{ background-color: rgb(220,  
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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