

# Converting Colors

Yxy(90.9387, 0.2958, 0.3292)

Have a look what the booklet for  
Yxy(90.9387, 0.2958, 0.3292)  
contains.

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# Color

**Yxy(90.8029, 0.2955, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFAFA
RGB	222, 250, 250
RGB Percent	87%, 98%, 98%
CMY	0.1295, 0.0196, 0.0198
CMYK	0.11, 0.00, 0.00, 0.02
HSL	180°, 74%, 93%
HSV	180°, 11%, 98%
XYZ	81.5570, 90.8029, 103.6367
YIQ	241.6280, -16.6880, -5.9360

# Conversions

## Conversions Part 2

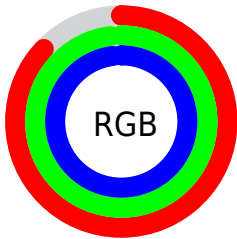
Format	Color
R <sub>Y</sub> B	222, 236, 250
Decimal	14613242
CIE Lab	96.33, -9.05, -3.06
CIE LCh	96, 9.552, 198.711
Yxy	90.8029, 0.2955, 0.3290
Android (android.graphics.Color)	4292803322 (0xFFDEFAFA)
YUV	241.6280, 4.1274, -17.2138
Hunter-Lab	95.2906, -13.9844, 2.2204

# Details

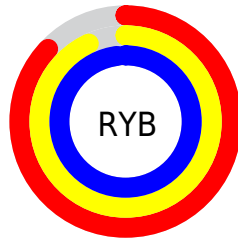
The Yxy color **90.8029, 0.2955, 0.3290** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.8394, 0.3328, 0.3290**, and the grayscale version is **88.4597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6941, 0.2918, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **87.1446, 0.2811, 0.3290**, and if you desaturate by 10%, it is **95.0542, 0.3108, 0.3290**.

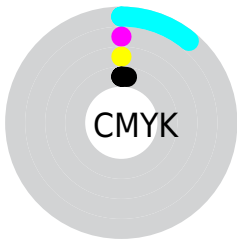
# Distribution



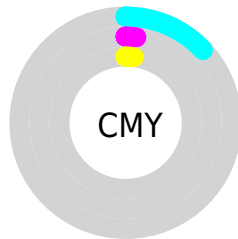
- Red (87%)
- Green (98%)
- Blue (98%)



- Red (87%)
- Yellow (93%)
- Blue (98%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)




- Cyan (13%)
- Magenta (2%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.8029, 0.2955, 0.3290 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 90.8029, 0.2955, 0.3290 by changing the saturation by 10% instead.




 90.8029, 0.2955,  
0.3290

 90.8029, 0.2955,  
0.3290


530.6392, 0.3031,  
0.3291

 68.6468, 0.2938,  
0.3290


148.4532, 0.2981,  
0.3290

 50.4241, 0.2918,  
0.3289


184.7161, 0.2991,  
0.3290

 35.7505, 0.2893,  
0.3289


226.4500, 0.3000,  
0.3290

 24.2415, 0.2861,  
0.3288

274.0394, 0.3008,  
0.3290

 15.5129, 0.2819,  
0.3287

327.8686, 0.3015,  
0.3291

 9.1801, 0.2761,  
0.3285

388.3221, 0.3021,

 4.8589, 0.2677,

0.3291

455.7841, 0.3026,  
0.3291

0.3281

■ 2.1647, 0.2543,  
0.3273

■ 0.7006, 0.2097,  
0.3300

■ 90.8029, 0.2955,  
0.3290

■ 90.8029, 0.2955,  
0.3290

■ 87.1446, 0.2811,  
0.3290

■ 95.0542, 0.3108,  
0.3290

■ 84.0421, 0.2679,  
0.3290

■ 96.5446, 0.3158,  
0.3290

■ 81.4717, 0.2563,  
0.3291

■ 96.5476, 0.3158,  
0.3289

■ 79.4035, 0.2463,  
0.3291


■ 96.5505, 0.3158,  
0.3289


 77.8046, 0.2383,  
0.3291

 96.5534, 0.3158,  
0.3288

 76.6383, 0.2322,  
0.3292

 96.5564, 0.3157,  
0.3288

 75.8622, 0.2281,  
0.3292

 96.5593, 0.3157,  
0.3287

 75.4257, 0.2257,  
0.3293

 96.5622, 0.3157,  
0.3287

 75.2528, 0.2248,  
0.3293

 96.5652, 0.3157,  
0.3287

# Harmonies

## Analogous

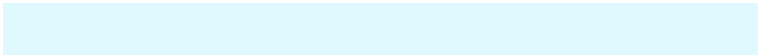
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8029, 0.3034, 0.3385



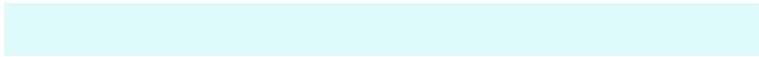
90.8029, 0.2955, 0.3290



90.8029, 0.2921, 0.3197

# Triad

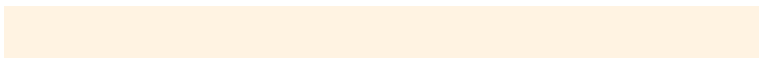
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.8029, 0.2955, 0.3290



90.8029, 0.3112, 0.3133



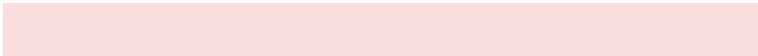
90.8029, 0.3316, 0.3448

# Complementary

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



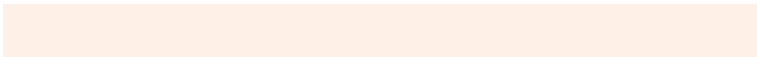
90.8029, 0.2955, 0.3290



77.8394, 0.3328, 0.3290

# 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.



90.8029, 0.3338, 0.3378



90.8029, 0.2955, 0.3290



90.8029, 0.3219, 0.3198

# Square

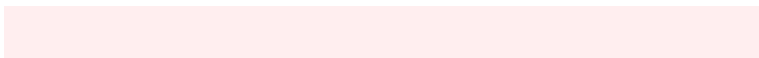
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.8029, 0.2955, 0.3290



90.8029, 0.3011, 0.3108



90.8029, 0.3302, 0.3287

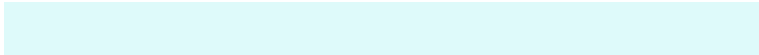


90.8029, 0.3243, 0.3477

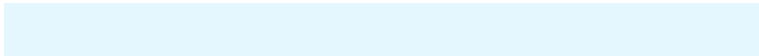


# Rectangle

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



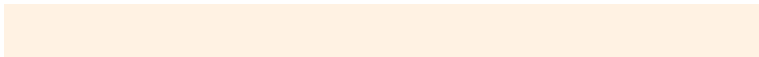
90.8029, 0.2955, 0.3290



90.8029, 0.2929, 0.3148



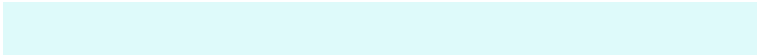
90.8029, 0.3302, 0.3287



90.8029, 0.3329, 0.3429

# Sweetspot

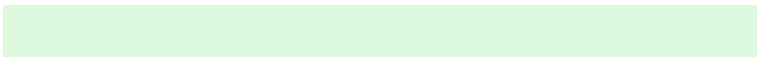
The Sweet Spot groups the original color and five complimentary colors.



90.8067, 0.2955, 0.3290



98.5769, 0.3080, 0.3290



89.2543, 0.3116, 0.3583



21.0202, 0.3068, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

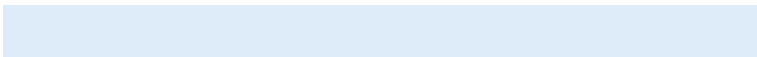
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.8067, 0.2955, 0.3290



94.2419, 0.2928, 0.3290



82.6917, 0.2952, 0.3150



19.6080, 0.2981, 0.3290



39.9121, 0.2248, 0.3293

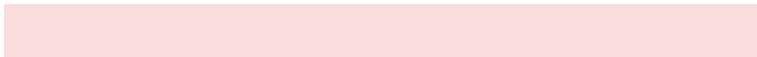


3.6967, 0.2248, 0.3292

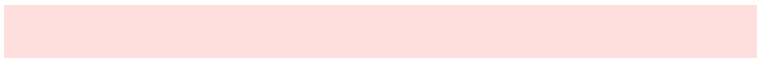


# Inverse Universe

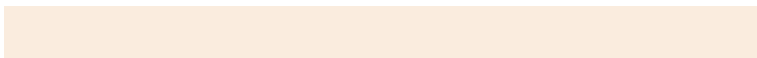
The Inverse Universe completely reimagines the original color for something new.



77.8394, 0.3328, 0.3290



78.6921, 0.3365, 0.3290



85.3226, 0.3312, 0.3426



17.2258, 0.3294, 0.3290



10.7813, 0.6399, 0.3299

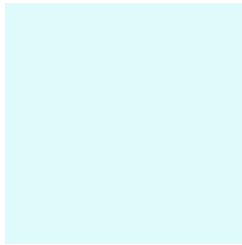


0.9987, 0.6394, 0.3296



# Previews

## White Background



This preview shows how the Yxy color 90.8029, 0.2955, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

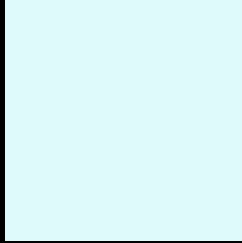
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.8029, 0.2955, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

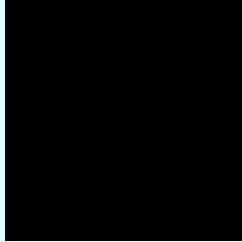
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

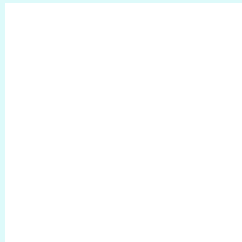
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.8029, 0.2955, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.8029, 0.2955, 0.3290.

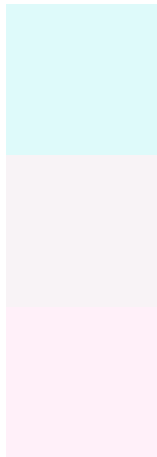


This preview shows how white text looks on a background with the Yxy color 90.8029, 0.2955, 0.3290.

# 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

90.8029, 0.2955, 0.3290

### Protanopia

90.7115, 0.3142, 0.3261

### Deuteranopia

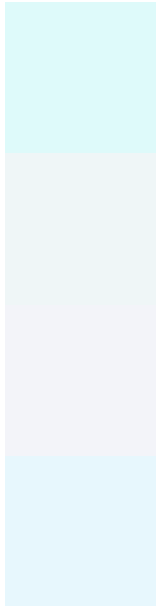
90.4197, 0.3171, 0.3203



## Tritanopia

90.9644, 0.3012, 0.3201

# Trichromacy



**Original Color**

90.8029, 0.2955, 0.3290

**Protanomaly**

90.9777, 0.3077, 0.3280

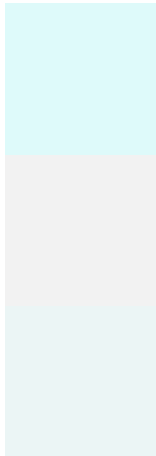
**Deuteranomaly**

90.5956, 0.3091, 0.3241

**Tritanomaly**

90.6023, 0.2992, 0.3230

# Monochromacy



**Original Color**

90.8029, 0.2955, 0.3290

**Achromatopsia**

88.7923, 0.3127, 0.3290

**Achromatomaly**

89.5596, 0.3063, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.8029, 0.2955, 0.3290 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(222, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(222, 250, 250)  
}
```

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(222, 250, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 250, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 90.8029, 0.2955, 0.3290 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(222, 250, 250) }
```

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

```
.border{ border-color:rgb(222, 250, 250) }
```

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

Here you see how a box with a 4 pixel rgb(222, 250, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 250, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 250, 250);  
box-shadow:4px 4px 4px 4px rgb(222, 250,  
250) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 90.8029, 0.2955, 0.3290$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 250, 250) }
```

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

```
.background{ background-color: rgb(222,  
250, 250) }
```

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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