

# Converting Colors

$Yxy(79.0825, 0.2643, 0.3137)$

Have a look what the booklet for  
Yxy(79.0825, 0.2643, 0.3137)  
contains.

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# Color

**Yxy(78.9012, 0.2642, 0.3134)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACF1FF
RGB	172, 241, 255
RGB Percent	67%, 95%, 100%
CMY	0.3256, 0.0549, 0.0000
CMYK	0.33, 0.05, 0.00, 0.00
HSL	190°, 100%, 84%
HSV	190°, 33%, 100%
XYZ	66.5147, 78.9012, 106.3429
YIQ	221.9650, -45.6180, -10.2740

# Conversions

## Conversions Part 2

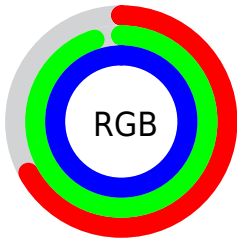
Format	Color
R <sub>Y</sub> B	172, 210, 255
Decimal	11334143
CIE Lab	91.19, -18.11, -13.62
CIE LCh	91, 22.664, 216.948
Yxy	78.9012, 0.2642, 0.3134
Android (android.graphics.Color)	4289524223 (0xFFACF1FF)
YUV	221.9650, 16.2863, -43.8193
Hunter-Lab	88.8263, -21.7823, -8.8035

# Details

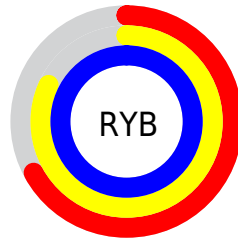
The Yxy color **78.9012, 0.2642, 0.3134** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.3383, 0.3839, 0.3439**, and the grayscale version is **72.9246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **42.4881, 0.2536, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **73.7762, 0.2512, 0.3079**, and if you desaturate by 10%, it is **84.6440, 0.2784, 0.3186**.

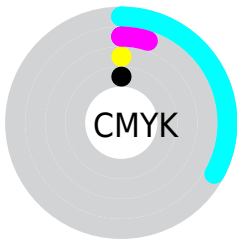
# Distribution



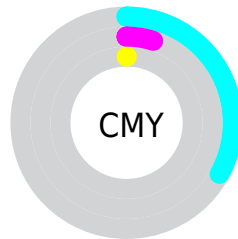
- Red (67%)
- Green (95%)
- Blue (100%)



- Red (67%)
- Yellow (82%)
- Blue (100%)



- Cyan (33%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9012, 0.2642, 0.3134 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 78.9012, 0.2642, 0.3134 by changing the saturation by 10% instead.




 78.9012, 0.2642,  
0.3134

 78.9012, 0.2642,  
0.3134

491.2220, 0.2859,  
0.3209

 58.8146, 0.2594,  
0.3116


 131.8198, 0.2716,  
0.3161

 42.4639, 0.2536,  
0.3094


165.4205, 0.2745,  
0.3171

 29.4647, 0.2463,  
0.3065


204.2947, 0.2771,  
0.3180

 19.4326, 0.2371,  
0.3028

248.8268, 0.2793,  
0.3187

 11.9833, 0.2249,  
0.2975

299.4012, 0.2812,  
0.3194

 6.7323, 0.2082,  
0.2898

356.4023, 0.2830,

 3.2953, 0.1840,

0.3199

0.2775

420.2144, 0.2845,  
0.3205

1.2878, 0.1460,  
0.2557

0.1317, 0.0000,  
0.1068

78.9012, 0.2642,  
0.3134

78.9012, 0.2642,  
0.3134

73.7762, 0.2512,  
0.3079

84.6440, 0.2784,  
0.3186

69.2304, 0.2395,  
0.3020

91.0278, 0.2933,  
0.3235

65.2306, 0.2296,  
0.2960

98.0823, 0.3087,  
0.3279

61.7369, 0.2216,  
0.2899

100.0000, 0.3127,  
0.3290

■ 58.7038, 0.2155,  
0.2838

■ 56.0758, 0.2113,  
0.2777

■ 54.3234, 0.2092,  
0.2732

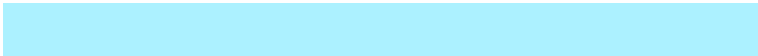
# Harmonies

## Analogous

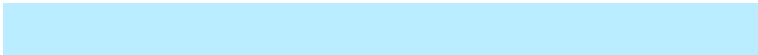
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9012, 0.2768, 0.3383



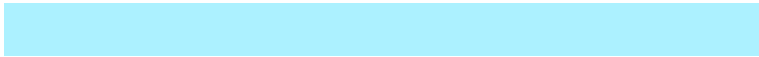
78.9012, 0.2642, 0.3134



78.9012, 0.2640, 0.2943

# Triad

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



78.9012, 0.2642, 0.3134



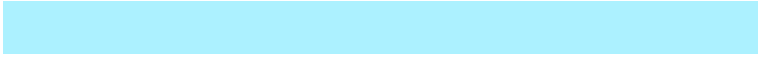
78.9012, 0.3250, 0.2995



78.9012, 0.3495, 0.3744

# Complementary

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



78.9012, 0.2642, 0.3134



59.3383, 0.3839, 0.3439

# 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.



78.9012, 0.3637, 0.3615



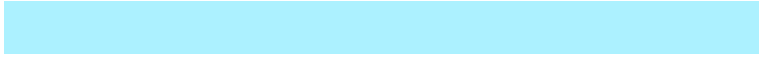
78.9012, 0.2642, 0.3134



78.9012, 0.3494, 0.3187

# Square

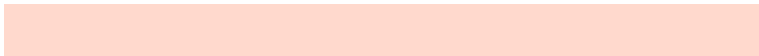
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



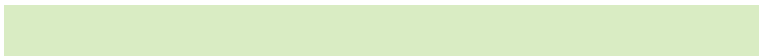
78.9012, 0.2642, 0.3134



78.9012, 0.2981, 0.2875



78.9012, 0.3638, 0.3411



78.9012, 0.3257, 0.3748

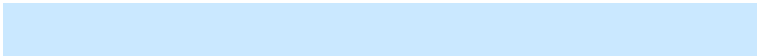


# Rectangle

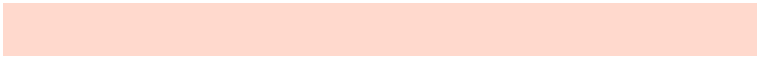
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9012, 0.2642, 0.3134



78.9012, 0.2708, 0.2871



78.9012, 0.3638, 0.3411



78.9012, 0.3556, 0.3712

# Sweetspot

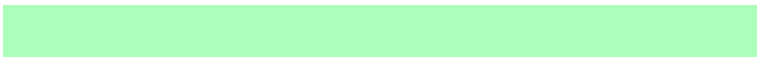
The Sweet Spot groups the original color and five complimentary colors.



78.9034, 0.2642, 0.3134



92.7695, 0.2972, 0.3247



83.8242, 0.3010, 0.4095



19.6507, 0.2951, 0.3240



0.0000, 0.0000, 0.0000

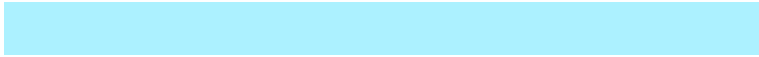


21.4041, 0.3127, 0.3290

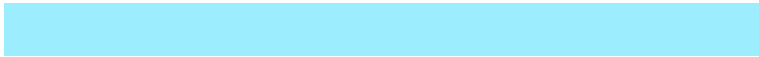


# Same Dimension

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



78.9034, 0.2642, 0.3134



75.5337, 0.2557, 0.3099



57.1320, 0.2582, 0.2652



19.9297, 0.2980, 0.3249



28.5773, 0.2095, 0.2742



2.9143, 0.2114, 0.2811



# Inverse Universe

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



57.1048, 0.3275, 0.2602



51.0735, 0.3312, 0.2468



79.3525, 0.3703, 0.3854



18.2447, 0.3164, 0.3095



13.6129, 0.3688, 0.1806

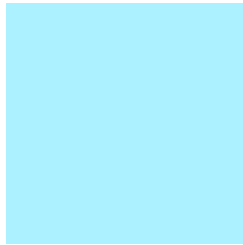


1.3387, 0.3624, 0.1770



# Previews

## White Background



This preview shows how the Yxy color 78.9012, 0.2642, 0.3134 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

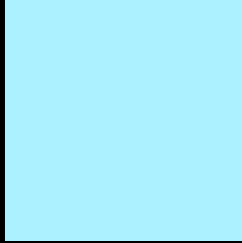
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.9012, 0.2642, 0.3134 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

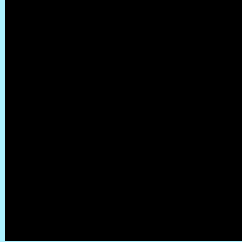
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.9012, 0.2642, 0.3134**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.9012, 0.2642, 0.3134.



This preview shows how white text looks on a background with the Yxy color 78.9012, 0.2642, 0.3134.

# 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

78.9012, 0.2642, 0.3134

### Protanopia

78.1476, 0.3008, 0.3083

### Deuteranopia

78.3642, 0.3013, 0.2977



## Tritanopia

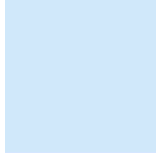
79.0203, 0.2698, 0.3114

# Trichromacy



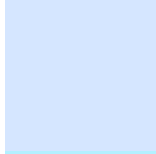
## Original Color

78.9012, 0.2642, 0.3134



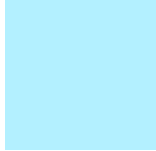
## Protanomaly

78.0252, 0.2864, 0.3098



## Deuteranomaly

77.9598, 0.2865, 0.3027



## Tritanomaly

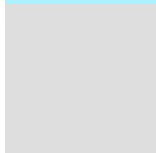
79.1239, 0.2677, 0.3125

# Monochromacy



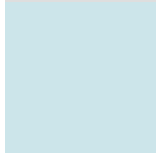
## Original Color

78.9012, 0.2642, 0.3134



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

74.8165, 0.2930, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.9012, 0.2642, 0.3134 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(172, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 241, 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(172, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 241, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 78.9012, 0.2642, 0.3134 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(172, 241, 255) }
```

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

```
.border{ border-color:rgb(172, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 241,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.9012, 0.2642, 0.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 241, 255) }
```

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

```
.background{ background-color: rgb(172,  
241, 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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