

Converting Colors

$Yxy(78.8031, 0.2637, 0.3134)$

Have a look what the booklet for
Yxy(78.8031, 0.2637, 0.3134)
contains.

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Color

Yxy(78.7885, 0.2637, 0.3134)

Conversions

Conversions Part 1

Format	Color
Hex	ABF1FF
RGB	171, 241, 255
RGB Percent	67%, 95%, 100%
CMY	0.3295, 0.0549, 0.0000
CMYK	0.33, 0.05, 0.00, 0.00
HSL	190°, 100%, 84%
HSV	190°, 33%, 100%
XYZ	66.2940, 78.7885, 106.3167
YIQ	221.6660, -46.2140, -10.4860

Conversions

Conversions Part 2

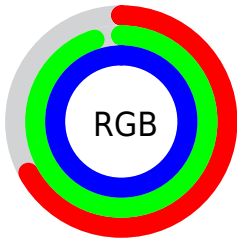
Format	Color
RYB	171, 209, 255
Decimal	11268607
CIELab	91.14, -18.38, -13.69
CIELCh	91, 22.924, 216.683
Yxy	78.7885, 0.2637, 0.3134
Android (android.graphics.Color)	4289458687 (0xFFABF1FF)
YUV	221.6660, 16.4337, -44.4341
Hunter-Lab	88.7629, -22.0195, -8.8812

Details

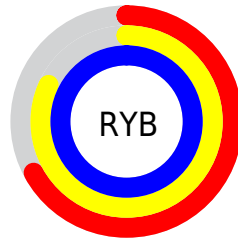
The Yxy color **78.7885, 0.2637, 0.3134** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.8782, 0.3851, 0.3439**, and the grayscale version is **72.7031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **42.4200, 0.2530, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **73.7159, 0.2507, 0.3079**, and if you desaturate by 10%, it is **84.4781, 0.2778, 0.3186**.

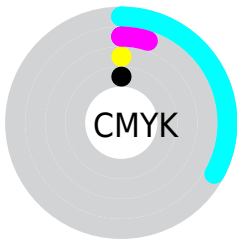
Distribution



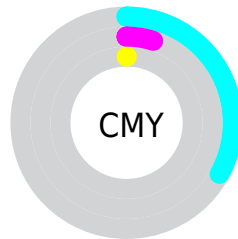
- Red (67%)
- Green (95%)
- Blue (100%)



- 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 78.7885, 0.2637, 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 78.7885, 0.2637, 0.3134 by changing the saturation by 10% instead.

 78.7885, 0.2637,
0.3134

 78.7885, 0.2637,
0.3134

490.8406, 0.2857,
0.3209

 58.7219, 0.2589,
0.3116


 131.6611, 0.2712,
0.3161

 42.3893, 0.2530,
0.3094


165.2359, 0.2741,
0.3171

 29.4063, 0.2456,
0.3065


204.0822, 0.2767,
0.3180

 19.3884, 0.2363,
0.3027

248.5844, 0.2789,
0.3187

 11.9512, 0.2240,
0.2974

299.1270, 0.2809,
0.3194

 6.7105, 0.2071,
0.2897

356.0943, 0.2827,

 3.2817, 0.1828,

0.3200

0.2773

419.8707, 0.2842,
0.3205

■ 1.2805, 0.1442,
0.2553

■ 0.1260, 0.0000,
0.1027

■ 78.7885, 0.2637,
0.3134

■ 78.7885, 0.2637,
0.3134

■ 73.7159, 0.2507,
0.3079

■ 84.4781, 0.2778,
0.3186

■ 69.2188, 0.2392,
0.3021

■ 90.8052, 0.2927,
0.3234

■ 65.2647, 0.2293,
0.2962

■ 97.8005, 0.3081,
0.3278

■ 61.8138, 0.2214,
0.2902

99.9997, 0.3127,
0.3290

■ 58.8200, 0.2154,
0.2841

■ 56.2276, 0.2114,
0.2781

■ 54.5845, 0.2094,
0.2739

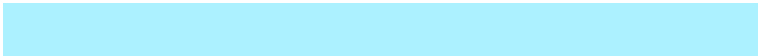
Harmonies

Analogous

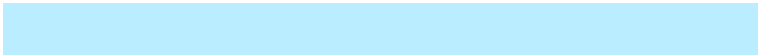
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7885, 0.2765, 0.3386



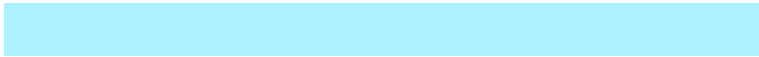
78.7885, 0.2637, 0.3134



78.7885, 0.2633, 0.2941

Triad

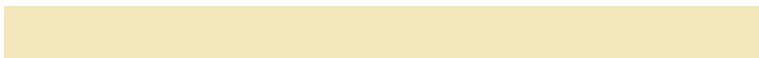
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7885, 0.2637, 0.3134



78.7885, 0.3249, 0.2991



78.7885, 0.3501, 0.3748

Complementary

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



78.7885, 0.2637, 0.3134



58.8782, 0.3851, 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.



78.7885, 0.3644, 0.3617



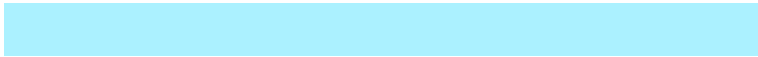
78.7885, 0.2637, 0.3134



78.7885, 0.3497, 0.3184

Square

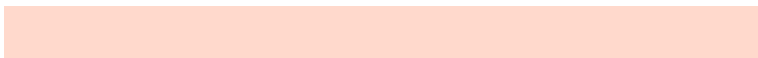
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



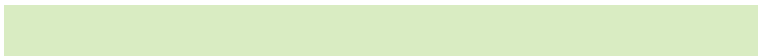
78.7885, 0.2637, 0.3134



78.7885, 0.2977, 0.2870



78.7885, 0.3644, 0.3410



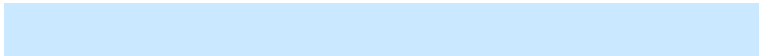
78.7885, 0.3260, 0.3755

Rectangle

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



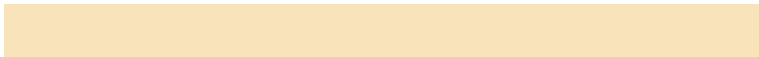
78.7885, 0.2637, 0.3134



78.7885, 0.2702, 0.2867



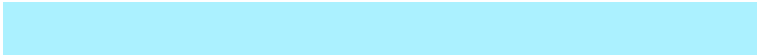
78.7885, 0.3644, 0.3410



78.7885, 0.3563, 0.3716

Sweetspot

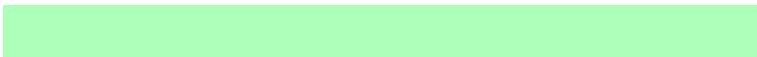
The Sweet Spot groups the original color and five complimentary colors.



78.7916, 0.2637, 0.3134



92.8023, 0.2972, 0.3247



83.6151, 0.3016, 0.4123



19.6587, 0.2951, 0.3241



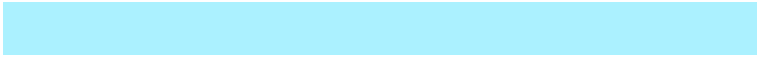
0.0000, 0.0000, 0.0000



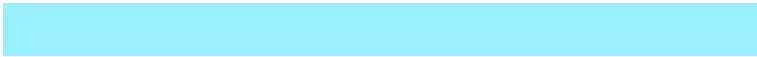
21.4041, 0.3127, 0.3290

Same Dimension

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



78.7916, 0.2637, 0.3134



75.1549, 0.2544, 0.3096



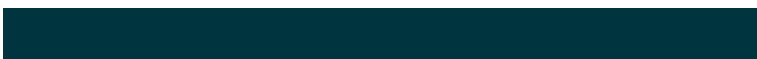
57.3594, 0.2577, 0.2659



19.9364, 0.2980, 0.3249



28.7130, 0.2097, 0.2749



2.9263, 0.2116, 0.2817

Inverse Universe

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



56.7259, 0.3276, 0.2593



50.2169, 0.3316, 0.2446



78.3671, 0.3715, 0.3847



18.2454, 0.3164, 0.3094



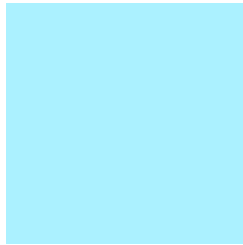
13.6266, 0.3682, 0.1802



1.3400, 0.3619, 0.1767

Previews

White Background



This preview shows how the Yxy color 78.7885, 0.2637, 0.3134 looks on a white background.

Color Contrast Check

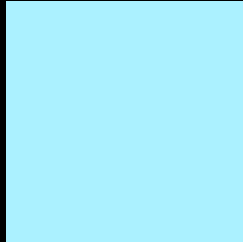
Large Text (above 18pt) WCAG AA × Fail

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 78.7885, 0.2637, 0.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

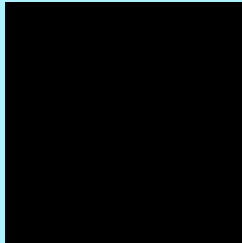
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7885, 0.2637, 0.3134

Background



This preview shows how black text looks on a background with the Yxy color 78.7885, 0.2637, 0.3134.



This preview shows how white text looks on a background with the Yxy color 78.7885, 0.2637, 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

78.7885, 0.2637, 0.3134

Protanopia

78.0860, 0.3015, 0.3093

Deuteranopia

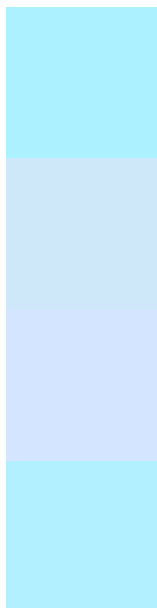
78.3642, 0.3013, 0.2977



Tritanopia

78.8981, 0.2692, 0.3114

Trichromacy



Original Color

78.7885, 0.2637, 0.3134

Protanomaly

77.8182, 0.2863, 0.3108

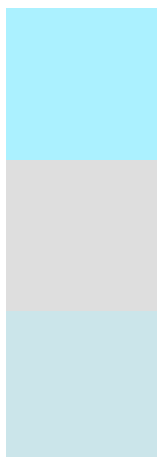
Deuteranomaly

77.8107, 0.2859, 0.3027

Tritanomaly

79.0052, 0.2672, 0.3124

Monochromacy



Original Color

78.7885, 0.2637, 0.3134

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.6756, 0.2924, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7885, 0.2637, 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(171, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.7885, 0.2637, 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(171, 241, 255) }
```

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

```
.border{ border-color:rgb(171, 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(171, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7885, 0.2637, 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(171, 241, 255) }
```

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

```
.background{ background-color: rgb(171,  
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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