

Converting Colors

$Yxy(78.5118, 0.2674, 0.3114)$

Have a look what the booklet for
Yxy(78.5118, 0.2674, 0.3114)
contains.

Yxy(78.5367, 0.2676, 0.3113)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.5367, 0.2676, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	B3EFFF
RGB	179, 239, 255
RGB Percent	70%, 94%, 100%
CMY	0.2980, 0.0627, 0.0000
CMYK	0.30, 0.06, 0.00, 0.00
HSL	193°, 100%, 85%
HSV	193°, 30%, 100%
XYZ	67.5118, 78.5367, 106.2377
YIQ	222.8840, -40.8960, -7.7440

Conversions

Conversions Part 2

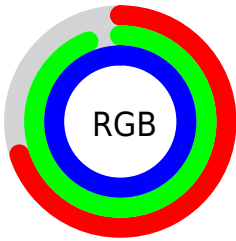
Format	Color
RYB	179, 213, 255
Decimal	11792383
CIELab	91.02, -15.19, -13.84
CIELCh	91, 20.553, 222.337
Yxy	78.5367, 0.2676, 0.3113
Android (android.graphics.Color)	4289982463 (0xFFB3EFFF)
YUV	222.8840, 15.8332, -38.4863
Hunter-Lab	88.6209, -19.1046, -9.0415

Details

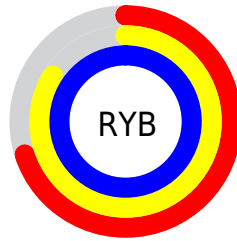
The Yxy color **78.5367, 0.2676, 0.3113** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.5478, 0.3750, 0.3459**, and the grayscale version is **73.6133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **42.2293, 0.2580, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **72.6776, 0.2539, 0.3044**, and if you desaturate by 10%, it is **85.0526, 0.2823, 0.3178**.

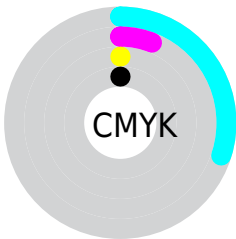
Distribution



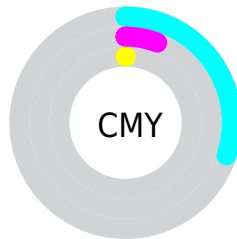
- Red (70%)
- Green (94%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5367, 0.2676, 0.3113 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 78.5367, 0.2676, 0.3113 by changing the saturation by 10% instead.


 78.5367, 0.2676,
0.3113

 78.5367, 0.2676,
0.3113

489.9876, 0.2879,
0.3197

 58.5150, 0.2631,
0.3093


 131.3064, 0.2745,
0.3143

 42.2228, 0.2577,
0.3069


164.8232, 0.2772,
0.3154

 29.2758, 0.2509,
0.3038


203.6071, 0.2796,
0.3164

 19.2895, 0.2422,
0.2997

248.0426, 0.2817,
0.3172

 11.8797, 0.2308,
0.2940

298.5140, 0.2835,
0.3180

 6.6618, 0.2150,
0.2858

355.4057, 0.2851,

 3.2515, 0.1921,

0.3186

0.2728

419.1021, 0.2866,
0.3192

1.2644, 0.1560,
0.2500

0.1134, 0.0000,
0.0937

78.5367, 0.2676,
0.3113

78.5367, 0.2676,
0.3113

72.6776, 0.2539,
0.3044

85.0526, 0.2823,
0.3178

67.4410, 0.2413,
0.2972

92.2523, 0.2975,
0.3237

62.7930, 0.2303,
0.2896

100.0000, 0.3127,
0.3290

58.6948, 0.2212,
0.2818

■ 55.1021, 0.2139,
0.2740

■ 51.9623, 0.2087,
0.2662

■ 49.1920, 0.2052,
0.2585

■ 49.1389, 0.2051,
0.2584

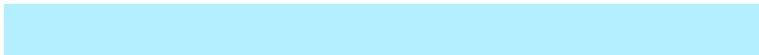
Harmonies

Analogous

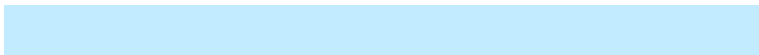
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5367, 0.2772, 0.3333



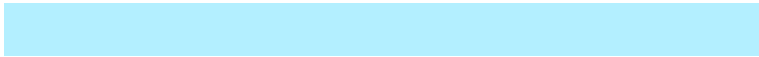
78.5367, 0.2676, 0.3113



78.5367, 0.2695, 0.2953

Triad

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



78.5367, 0.2676, 0.3113



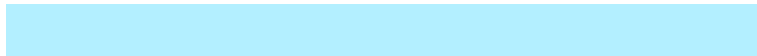
78.5367, 0.3283, 0.3049



78.5367, 0.3428, 0.3712

Complementary

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



78.5367, 0.2676, 0.3113



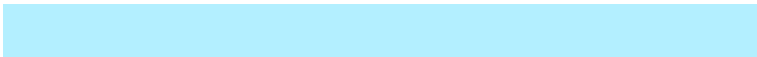
63.5478, 0.3750, 0.3459

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.



78.5367, 0.3576, 0.3614



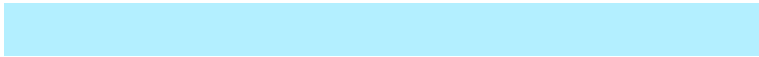
78.5367, 0.2676, 0.3113



78.5367, 0.3492, 0.3233

Square

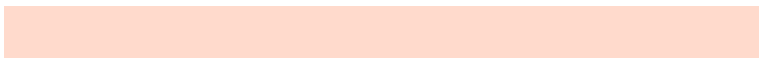
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5367, 0.2676, 0.3113



78.5367, 0.3038, 0.2925



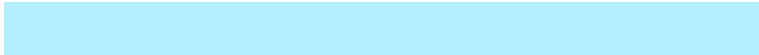
78.5367, 0.3601, 0.3437



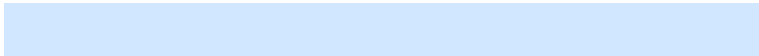
78.5367, 0.3202, 0.3692

Rectangle

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



78.5367, 0.2676, 0.3113



78.5367, 0.2770, 0.2899



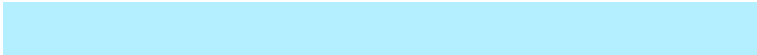
78.5367, 0.3601, 0.3437



78.5367, 0.3489, 0.3691

Sweetspot

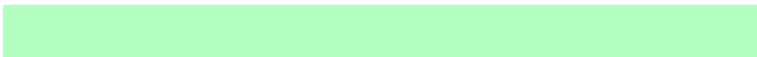
The Sweet Spot groups the original color and five complimentary colors.



78.5375, 0.2676, 0.3113



92.8599, 0.2988, 0.3242



85.0087, 0.3006, 0.3985



19.6405, 0.2965, 0.3233



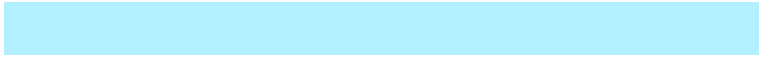
0.0000, 0.0000, 0.0000



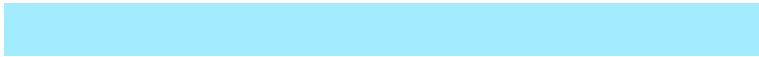
21.4041, 0.3127, 0.3290

Same Dimension

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



78.5375, 0.2676, 0.3113



74.8300, 0.2590, 0.3071



58.9537, 0.2628, 0.2684



19.7939, 0.2980, 0.3239



25.9007, 0.2055, 0.2597



2.6767, 0.2079, 0.2685

Inverse Universe

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



59.7346, 0.3285, 0.2690



53.5626, 0.3327, 0.2565



82.3418, 0.3641, 0.3829



18.2310, 0.3170, 0.3104



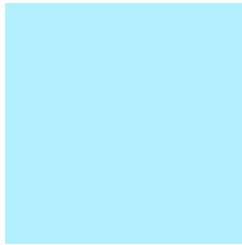
13.3427, 0.3827, 0.1882



1.3148, 0.3743, 0.1835

Previews

White Background



This preview shows how the Yxy color 78.5367, 0.2676, 0.3113 looks on a white background.

Color Contrast Check

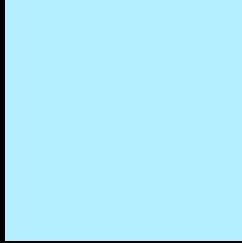
Large Text (above 18pt) WCAG AA × Fail

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 78.5367, 0.2676, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

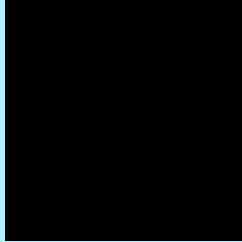
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5367, 0.2676, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 78.5367, 0.2676, 0.3113.

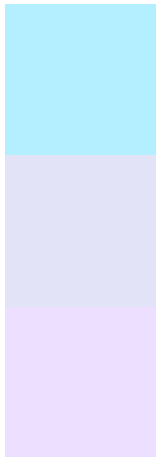


This preview shows how white text looks on a background with the Yxy color 78.5367, 0.2676, 0.3113.

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

78.5367, 0.2676, 0.3113

Protanopia

78.0464, 0.2996, 0.3073

Deuteranopia

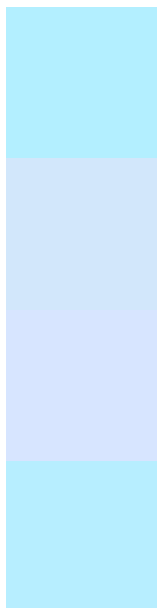
77.8282, 0.3013, 0.2967



Tritanopia

78.6834, 0.2707, 0.3104

Trichromacy



Original Color

78.5367, 0.2676, 0.3113

Protanomaly

77.8185, 0.2870, 0.3078

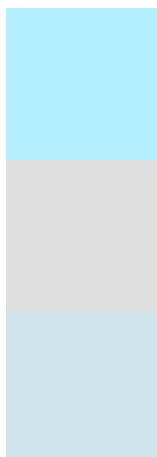
Deuteranomaly

77.7057, 0.2877, 0.3018

Tritanomaly

78.4364, 0.2697, 0.3103

Monochromacy



Original Color

78.5367, 0.2676, 0.3113

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

75.3022, 0.2943, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5367, 0.2676, 0.3113 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(179, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 239, 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(179, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.5367, 0.2676, 0.3113 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(179, 239, 255) }
```

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

```
.border{ border-color:rgb(179, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5367, 0.2676, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 239, 255) }
```

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

```
.background{ background-color: rgb(179,  
239, 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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