

Converting Colors

$Yxy(78.0204, 0.2671, 0.3106)$

Have a look what the booklet for
Yxy(78.0204, 0.2671, 0.3106)
contains.

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Color

Yxy(77.8340, 0.2670, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	B2EEFF
RGB	178, 238, 255
RGB Percent	70%, 93%, 100%
CMY	0.3017, 0.0667, 0.0001
CMYK	0.30, 0.07, 0.00, 0.00
HSL	193°, 100%, 85%
HSV	193°, 30%, 100%
XYZ	66.9944, 77.8340, 106.0871
YIQ	221.9980, -41.2170, -7.4330

Conversions

Conversions Part 2

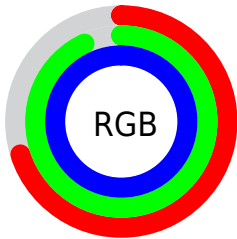
Format	Color
RYB	178, 212, 255
Decimal	11726591
CIELab	90.70, -14.96, -14.30
CIElCh	91, 20.692, 223.718
Yxy	77.8340, 0.2670, 0.3102
Android (android.graphics.Color)	4289916671 (0xFFB2EEFF)
YUV	221.9980, 16.2700, -38.5862
Hunter-Lab	88.2236, -18.8435, -9.5385

Details

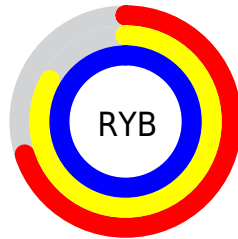
The Yxy color **77.8340, 0.2670, 0.3102** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.5349, 0.3757, 0.3469**, and the grayscale version is **72.9611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **41.7441, 0.2571, 0.3059** is the 20% darker color. If you saturate the color by 10%, you get **71.8650, 0.2532, 0.3029**, and if you desaturate by 10%, it is **84.4725, 0.2817, 0.3170**.

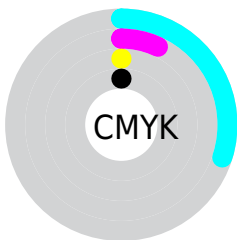
Distribution



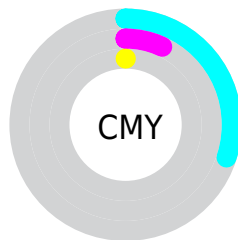
- Red (70%)
- Green (93%)
- Blue (100%)



- Red (70%)
- Yellow (83%)
- Blue (100%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8340, 0.2670, 0.3102 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 77.8340, 0.2670, 0.3102 by changing the saturation by 10% instead.

77.8340, 0.2670,
0.3102

77.8340, 0.2670,
0.3102

487.6029, 0.2876,
0.3191

57.9376, 0.2625,
0.3081

130.3161, 0.2740,
0.3133

41.7585, 0.2569,
0.3055

163.6706, 0.2768,
0.3145

28.9122, 0.2500,
0.3022

202.2799, 0.2792,
0.3156

19.0144, 0.2412,
0.2979

246.5285, 0.2813,
0.3165

11.6807, 0.2295,
0.2919

296.8007, 0.2831,
0.3173

6.5267, 0.2135,
0.2831

353.4809, 0.2848,

3.1679, 0.1901,

0.3180

0.2694

416.9535, 0.2862,
0.3186

■ 1.2200, 0.1531,
0.2454

■ 0.0779, 0.0000,
0.0668

■ 77.8340, 0.2670,
0.3102

■ 77.8340, 0.2670,
0.3102

■ 71.8650, 0.2532,
0.3029

■ 84.4725, 0.2817,
0.3170

■ 66.5243, 0.2406,
0.2953

■ 91.8008, 0.2970,
0.3232

■ 61.7797, 0.2295,
0.2873

99.8497, 0.3125,
0.3289

■ 57.5923, 0.2203,
0.2791

99.9991, 0.3127,
0.3290

■ 53.9175, 0.2130,
0.2708

■ 50.7021, 0.2076,
0.2626

■ 47.9034, 0.2041,
0.2547

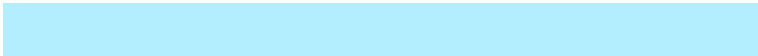
Harmonies

Analogous

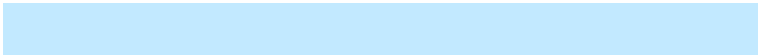
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8340, 0.2762, 0.3323



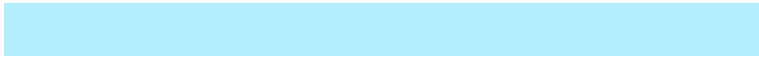
77.8340, 0.2670, 0.3102



77.8340, 0.2694, 0.2945

Triad

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



77.8340, 0.2670, 0.3102



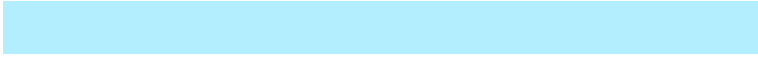
77.8340, 0.3296, 0.3054



77.8340, 0.3422, 0.3718

Complementary

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



77.8340, 0.2670, 0.3102



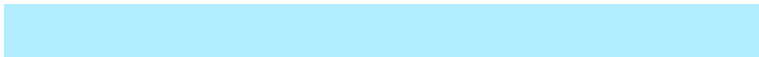
63.5349, 0.3757, 0.3469

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.



77.8340, 0.3576, 0.3623



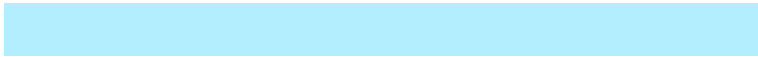
77.8340, 0.2670, 0.3102



77.8340, 0.3503, 0.3242

Square

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



77.8340, 0.2670, 0.3102



77.8340, 0.3048, 0.2925



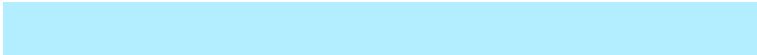
77.8340, 0.3607, 0.3448



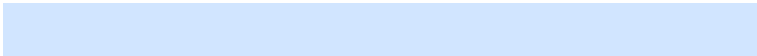
77.8340, 0.3192, 0.3692

Rectangle

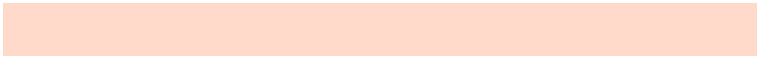
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



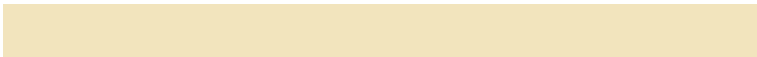
77.8340, 0.2670, 0.3102



77.8340, 0.2774, 0.2893



77.8340, 0.3607, 0.3448



77.8340, 0.3484, 0.3698

Sweetspot

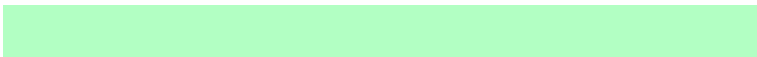
The Sweet Spot groups the original color and five complimentary colors.



77.8371, 0.2670, 0.3102



92.7114, 0.2988, 0.3239



84.9129, 0.2997, 0.3980



19.6037, 0.2965, 0.3231



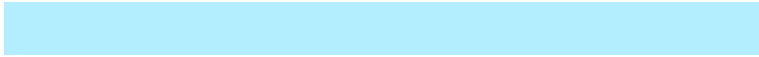
0.0000, 0.0000, 0.0000



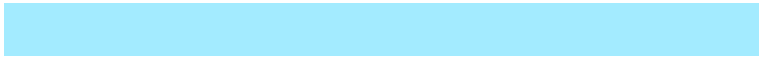
21.4041, 0.3127, 0.3290

Same Dimension

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



77.8371, 0.2670, 0.3102



74.2822, 0.2588, 0.3060



57.9388, 0.2620, 0.2661



19.7603, 0.2980, 0.3236



25.2653, 0.2045, 0.2560



2.6199, 0.2070, 0.2653

Inverse Universe

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



59.2998, 0.3294, 0.2691



53.5073, 0.3335, 0.2574



82.8624, 0.3644, 0.3848



18.2276, 0.3172, 0.3107



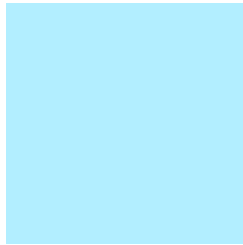
13.2785, 0.3863, 0.1902



1.3090, 0.3773, 0.1852

Previews

White Background



This preview shows how the Yxy color 77.8340, 0.2670, 0.3102 looks on a white background.

Color Contrast Check

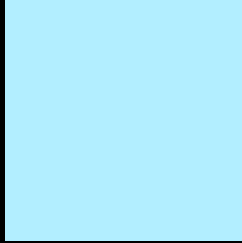
Large Text (above 18pt) WCAG AA × Fail

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 77.8340, 0.2670, 0.3102 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 77.8340, 0.2670, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 77.8340, 0.2670, 0.3102.

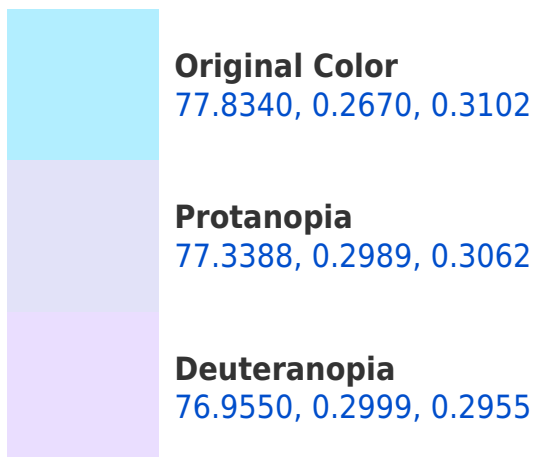


This preview shows how white text looks on a background with the Yxy color 77.8340, 0.2670, 0.3102.

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

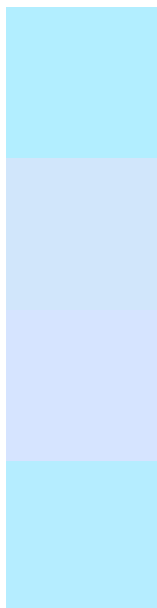




Tritanopia

77.7335, 0.2690, 0.3092

Trichromacy



Original Color

77.8340, 0.2670, 0.3102

Protanomaly

77.1140, 0.2863, 0.3066

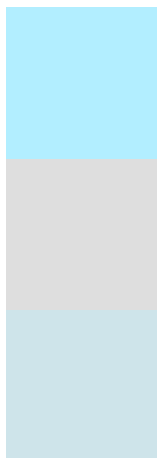
Deuteranomaly

77.0029, 0.2871, 0.3006

Tritanomaly

77.6121, 0.2684, 0.3092

Monochromacy



Original Color

77.8340, 0.2670, 0.3102

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.5491, 0.2943, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8340, 0.2670, 0.3102 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(178, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 238, 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(178, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.8340, 0.2670, 0.3102 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(178, 238, 255) }
```

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

```
.border{ border-color:rgb(178, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8340, 0.2670, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 238, 255) }
```

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

```
.background{ background-color: rgb(178,  
238, 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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