

Converting Colors

$Yxy(78.3042, 0.2581, 0.2994)$

Have a look what the booklet for
Yxy(78.3042, 0.2581, 0.2994)
contains.

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Color

Yxy(77.6109, 0.2634, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	ABEFFF
RGB	171, 239, 255
RGB Percent	67%, 94%, 100%
CMY	0.3295, 0.0627, 0.0000
CMYK	0.33, 0.06, 0.00, 0.00
HSL	191°, 100%, 84%
HSV	191°, 33%, 100%
XYZ	65.7111, 77.6109, 106.1506
YIQ	220.4920, -45.6640, -9.4400

Conversions

Conversions Part 2

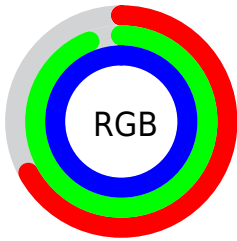
Format	Color
R_{YB}	171, 209, 255
Decimal	11268095
CIE _{Lab}	90.60, -17.38, -14.52
CIE _{LCh}	91, 22.641, 219.877
Yxy	77.6109, 0.2634, 0.3111
Android (android.graphics.Color)	4289458175 (0xFFABEFFF)
YUV	220.4920, 17.0124, -43.4045
Hunter-Lab	88.0970, -21.0278, -9.7722

Details

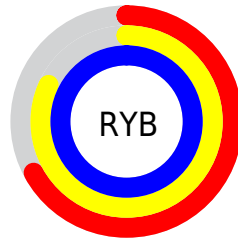
The Yxy color **77.6109, 0.2634, 0.3111** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.7290, 0.3844, 0.3460**, and the grayscale version is **71.8318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **41.5890, 0.2525, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **72.2153, 0.2502, 0.3048**, and if you desaturate by 10%, it is **83.6372, 0.2777, 0.3171**.

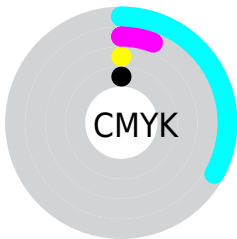
Distribution



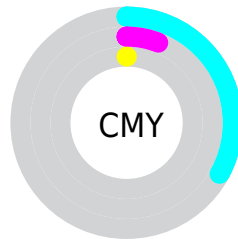
- Red (67%)
- Green (94%)
- Blue (100%)



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



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6109, 0.2634, 0.3111 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 77.6109, 0.2634, 0.3111 by changing the saturation by 10% instead.


 77.6109, 0.2634,
0.3111

 77.6109, 0.2634,
0.3111


486.8444, 0.2855,
0.3197

 57.7544, 0.2585,
0.3091

 130.0015, 0.2710,
0.3141

 41.6112, 0.2525,
0.3066


163.3043, 0.2739,
0.3153

 28.7970, 0.2451,
0.3033


201.8581, 0.2765,
0.3163

 18.9273, 0.2357,
0.2990


246.0472, 0.2788,
0.3172

 11.6178, 0.2232,
0.2931

296.2559, 0.2808,
0.3179

 6.4840, 0.2060,
0.2844

352.8688, 0.2825,

 3.1415, 0.1812,

0.3186

0.2706

416.2702, 0.2841,
0.3192

1.2061, 0.1413,
0.2464

0.0667, 0.0000,
0.0575

77.6109, 0.2634,
0.3111

77.6109, 0.2634,
0.3111

72.2153, 0.2502,
0.3048

83.6372, 0.2777,
0.3171

67.4148, 0.2384,
0.2982

90.3211, 0.2927,
0.3226

63.1748, 0.2282,
0.2913

97.6914, 0.3081,
0.3276

59.4552, 0.2199,
0.2843

100.0000, 0.3127,
0.3290

■ 56.2097, 0.2136,
0.2773

■ 53.3824, 0.2093,
0.2704

■ 51.5833, 0.2071,
0.2655

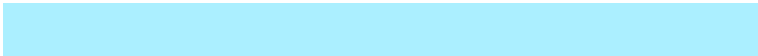
Harmonies

Analogous

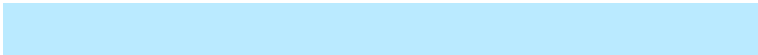
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6109, 0.2749, 0.3358



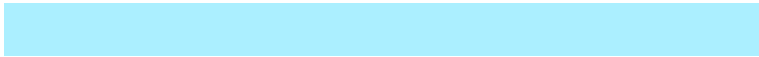
77.6109, 0.2634, 0.3111



77.6109, 0.2644, 0.2928

Triad

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



77.6109, 0.2634, 0.3111



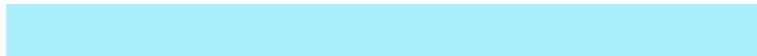
77.6109, 0.3277, 0.3010



77.6109, 0.3477, 0.3752

Complementary

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



77.6109, 0.2634, 0.3111



59.7290, 0.3844, 0.3460

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.



77.6109, 0.3632, 0.3633



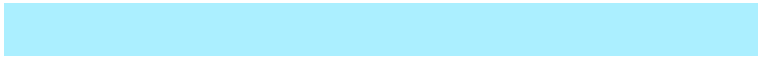
77.6109, 0.2634, 0.3111



77.6109, 0.3515, 0.3208

Square

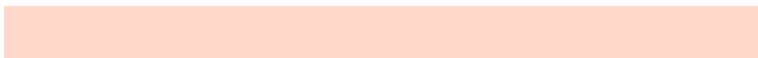
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6109, 0.2634, 0.3111



77.6109, 0.3006, 0.2881



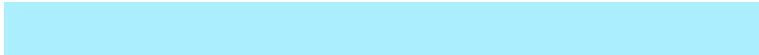
77.6109, 0.3647, 0.3433



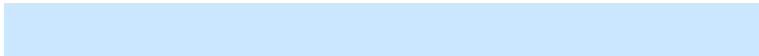
77.6109, 0.3231, 0.3743

Rectangle

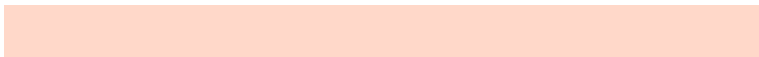
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



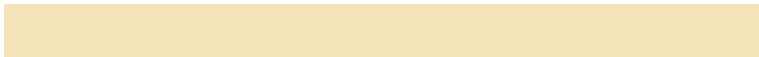
77.6109, 0.2634, 0.3111



77.6109, 0.2720, 0.2863



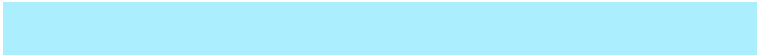
77.6109, 0.3647, 0.3433



77.6109, 0.3541, 0.3725

Sweetspot

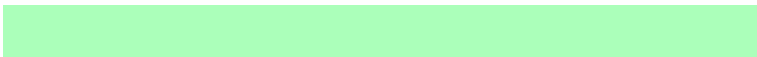
The Sweet Spot groups the original color and five complimentary colors.



77.6119, 0.2634, 0.3111



92.4222, 0.2972, 0.3241



83.7371, 0.3001, 0.4089



19.5662, 0.2951, 0.3234



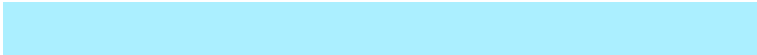
0.0000, 0.0000, 0.0000



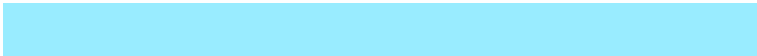
21.4041, 0.3127, 0.3290

Same Dimension

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



77.6119, 0.2634, 0.3111



73.7434, 0.2540, 0.3067



56.0747, 0.2573, 0.2626



19.8590, 0.2980, 0.3244



27.1631, 0.2074, 0.2667



2.7890, 0.2096, 0.2746

Inverse Universe

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



56.6104, 0.3292, 0.2611



50.0744, 0.3337, 0.2468



79.9030, 0.3706, 0.3874



18.2376, 0.3167, 0.3100



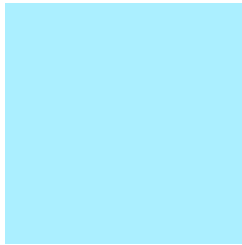
13.4701, 0.3760, 0.1845



1.3261, 0.3685, 0.1804

Previews

White Background



This preview shows how the Yxy color 77.6109, 0.2634, 0.3111 looks on a white background.

Color Contrast Check

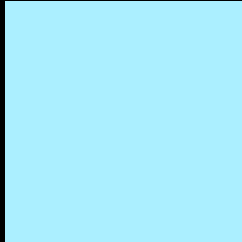
Large Text (above 18pt) WCAG AA × Fail

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 77.6109, 0.2634, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

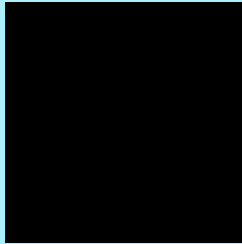
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6109, 0.2634, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 77.6109, 0.2634, 0.3111.

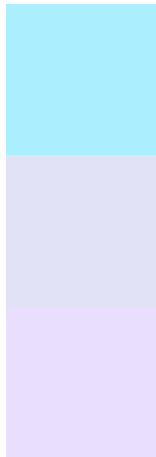


This preview shows how white text looks on a background with the Yxy color 77.6109, 0.2634, 0.3111.

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

77.6109, 0.2634, 0.3111

Protanopia

77.2769, 0.2995, 0.3072

Deuteranopia

76.9550, 0.2999, 0.2955



Tritanopia

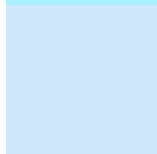
77.8340, 0.2670, 0.3102

Trichromacy



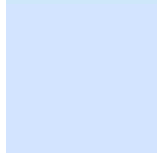
Original Color

77.6109, 0.2634, 0.3111



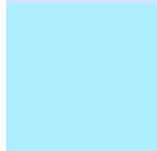
Protanomaly

77.1758, 0.2851, 0.3087



Deuteranomaly

76.5557, 0.2852, 0.3005



Tritanomaly

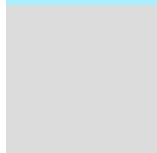
77.4830, 0.2654, 0.3101

Monochromacy



Original Color

77.6109, 0.2634, 0.3111



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.3779, 0.2923, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6109, 0.2634, 0.3111 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.6109, 0.2634, 0.3111 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, 239, 255) }
```

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

```
.border{ border-color:rgb(171, 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(171, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6109, 0.2634, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 239, 255) }
```

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

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