

Converting Colors

$Yxy(78.4446, 0.2702, 0.3200)$

Have a look what the booklet for
Yxy(78.4446, 0.2702, 0.3200)
contains.

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Color

Yxy(78.4446, 0.2702, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	B1F0F8
RGB	177, 240, 248
RGB Percent	69%, 94%, 97%
CMY	0.3058, 0.0588, 0.0274
CMYK	0.29, 0.03, 0.00, 0.03
HSL	187°, 84%, 83%
HSV	187°, 29%, 97%
XYZ	66.2367, 78.4446, 100.4581
YIQ	222.0750, -40.1160, -10.8680

Conversions

Conversions Part 2

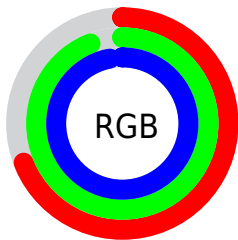
Format	Color
R_{YB}	177, 210, 248
Decimal	11661560
CIE _{Lab}	90.98, -17.84, -10.25
CIE _{LCh}	91, 20.574, 209.881
Yxy	78.4446, 0.2702, 0.3200
Android (android.graphics.Color)	4289851640 (0xFFB1F0F8)
YUV	222.0750, 12.7810, -39.5308
Hunter-Lab	88.5690, -21.5037, -5.2506

Details

The Yxy color **78.4446, 0.2702, 0.3200** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.8354, 0.3738, 0.3378**, and the grayscale version is **73.0355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **42.2243, 0.2606, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **74.1620, 0.2572, 0.3164**, and if you desaturate by 10%, it is **83.2880, 0.2844, 0.3234**.

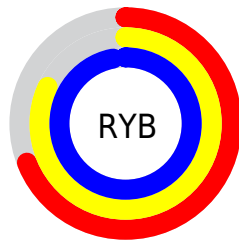
Distribution



Red (69%)

Green (94%)

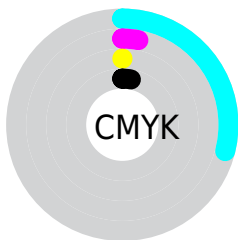
Blue (97%)



Red (69%)

Yellow (82%)

Blue (97%)

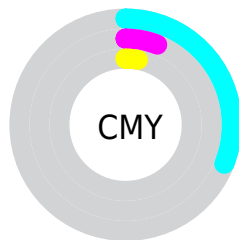


Cyan (29%)

Magenta (3%)

Yellow (0%)

Black (3%)



Cyan (31%)


Magenta (6%)


Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4446, 0.2702, 0.3200 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 78.4446, 0.2702, 0.3200 by changing the saturation by 10% instead.


 78.4446, 0.2702,
0.3200

 78.4446, 0.2702,
0.3200


489.6754, 0.2893,
0.3244

 58.4393, 0.2660,
0.3189

 131.1767, 0.2767,
0.3216

 42.1619, 0.2608,
0.3176


164.6722, 0.2793,
0.3222

 29.2281, 0.2543,
0.3158


203.4333, 0.2815,
0.3227

 19.2534, 0.2461,
0.3135

247.8443, 0.2835,
0.3231

 11.8535, 0.2351,
0.3101

298.2896, 0.2852,
0.3235

 6.6440, 0.2199,
0.3051

355.1536, 0.2867,

 3.2405, 0.1976,

0.3239

0.2969

418.8208, 0.2881,
0.3242

1.2585, 0.1611,
0.2816

0.1088, 0.0000,
0.1152

78.4446, 0.2702,
0.3200

78.4446, 0.2702,
0.3200

74.1620, 0.2572,
0.3164

83.2880, 0.2844,
0.3234

70.4021, 0.2456,
0.3126

88.7094, 0.2994,
0.3265

67.1364, 0.2357,
0.3088

94.7368, 0.3149,
0.3294

64.3298, 0.2276,
0.3048

97.1457, 0.3170,
0.3321

■ 61.9425, 0.2215,
0.3008

■ 98.9065, 0.3168,
0.3347

■ 59.9272, 0.2174,
0.2969

■ 99.5575, 0.3168,
0.3357

■ 58.2161, 0.2149,
0.2930

■ 57.9920, 0.2146,
0.2924

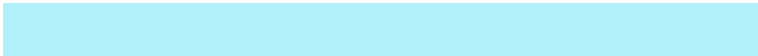
Harmonies

Analogous

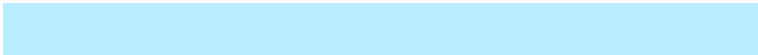
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4446, 0.2841, 0.3428



78.4446, 0.2702, 0.3200



78.4446, 0.2672, 0.3009

Triad

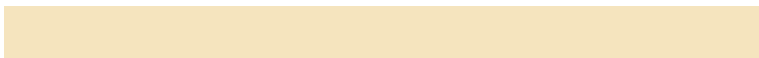
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4446, 0.2702, 0.3200



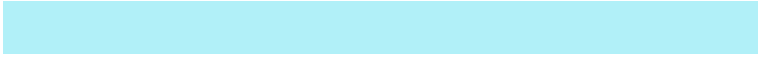
78.4446, 0.3182, 0.2988



78.4446, 0.3503, 0.3684

Complementary

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



78.4446, 0.2702, 0.3200



57.8354, 0.3738, 0.3378

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.



78.4446, 0.3603, 0.3548



78.4446, 0.2702, 0.3200



78.4446, 0.3415, 0.3152

Square

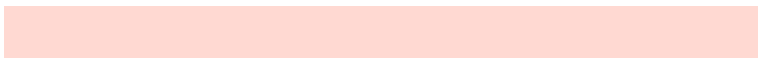
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4446, 0.2702, 0.3200



78.4446, 0.2941, 0.2897



78.4446, 0.3571, 0.3353



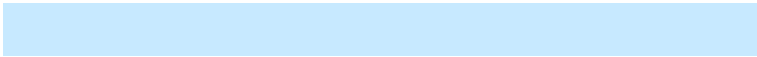
78.4446, 0.3302, 0.3716

Rectangle

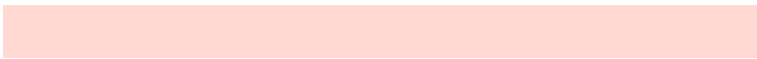
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4446, 0.2702, 0.3200



78.4446, 0.2717, 0.2927



78.4446, 0.3571, 0.3353



78.4446, 0.3550, 0.3648

Sweetspot

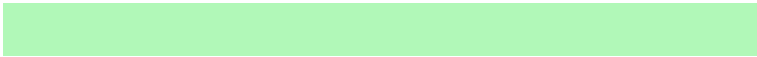
The Sweet Spot groups the original color and five complimentary colors.



78.4477, 0.2702, 0.3200



94.2650, 0.2988, 0.3264



79.9506, 0.3049, 0.4038



19.9888, 0.2965, 0.3260



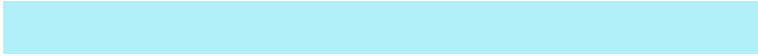
0.0000, 0.0000, 0.0000



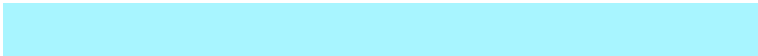
21.4041, 0.3127, 0.3290

Same Dimension

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



78.4477, 0.2702, 0.3200



81.0214, 0.2630, 0.3181



59.9848, 0.2659, 0.2798



19.2548, 0.2980, 0.3262



31.4578, 0.2147, 0.2931



3.0057, 0.2160, 0.2977

Inverse Universe

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



57.6979, 0.3222, 0.2650



55.9827, 0.3244, 0.2529



74.1121, 0.3637, 0.3736



17.4889, 0.3155, 0.3082



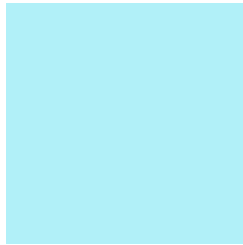
13.5866, 0.3516, 0.1710



1.2677, 0.3474, 0.1688

Previews

White Background



This preview shows how the Yxy color 78.4446, 0.2702, 0.3200 looks on a white background.

Color Contrast Check

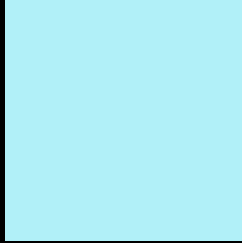
Large Text (above 18pt) WCAG AA × Fail

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 78.4446, 0.2702, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

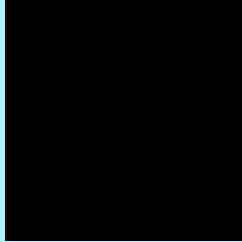
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.4446, 0.2702, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 78.4446, 0.2702, 0.3200.

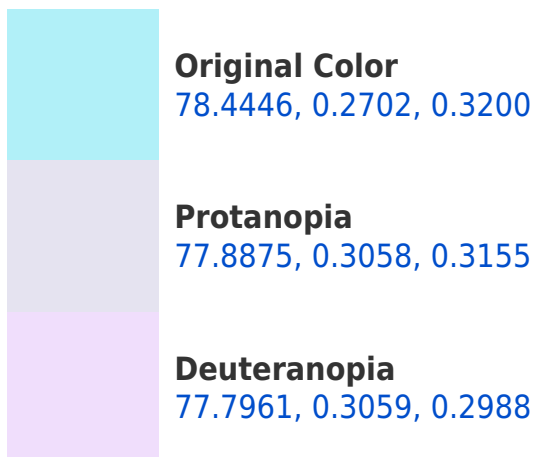


This preview shows how white text looks on a background with the Yxy color 78.4446, 0.2702, 0.3200.

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

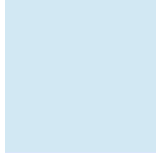
78.6834, 0.2707, 0.3104

Trichromacy



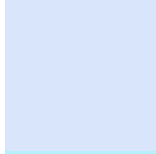
Original Color

78.4446, 0.2702, 0.3200



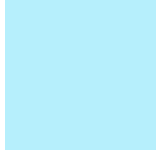
Protanomaly

77.8859, 0.2916, 0.3172



Deuteranomaly

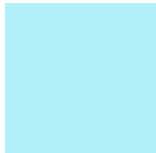
77.7554, 0.2913, 0.3059



Tritanomaly

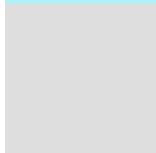
78.7064, 0.2707, 0.3146

Monochromacy



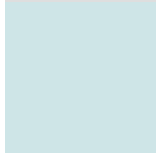
Original Color

78.4446, 0.2702, 0.3200



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

74.9300, 0.2961, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4446, 0.2702, 0.3200 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(177, 240, 248)` looks like.

```
.text, #text, p{  
    color:rgb(177, 240, 248)  
}
```

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(177, 240, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 240, 248) }
```

Border

The CSS property to change the border of an element to Yxy 78.4446, 0.2702, 0.3200 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(177, 240, 248) }
```

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

```
.border{ border-color:rgb(177, 240, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 240, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 240, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 240, 248);  
box-shadow:4px 4px 4px 4px rgb(177, 240,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4446, 0.2702, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 240, 248) }
```

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

```
.background{ background-color: rgb(177,  
240, 248) }
```

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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