

Converting Colors

$Yxy(78.7713, 0.2766, 0.3223)$

Have a look what the booklet for
Yxy(78.7713, 0.2766, 0.3223)
contains.

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Color

Yxy(78.7647, 0.2766, 0.3223)

Conversions

Conversions Part 1

Format	Color
Hex	BAEFF5
RGB	186, 239, 245
RGB Percent	73%, 94%, 96%
CMY	0.2706, 0.0627, 0.0392
CMYK	0.24, 0.02, 0.00, 0.04
HSL	186°, 75%, 85%
HSV	186°, 24%, 96%
XYZ	67.5964, 78.7647, 98.0221
YIQ	223.8370, -33.5140, -9.3700

Conversions

Conversions Part 2

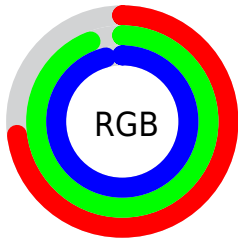
Format	Color
R _Y B	186, 214, 245
Decimal	12251125
CIE Lab	91.13, -15.45, -8.41
CIE LCh	91, 17.594, 208.566
Yxy	78.7647, 0.2766, 0.3223
Android (android.graphics.Color)	4290441205 (0xFFBAEFF5)
YUV	223.8370, 10.4334, -33.1830
Hunter-Lab	88.7495, -19.3564, -3.3600

Details

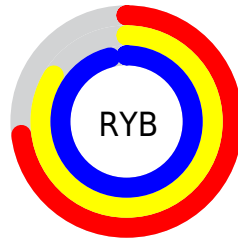
The Yxy color **78.7647, 0.2766, 0.3223** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.6517, 0.3617, 0.3356**, and the grayscale version is **74.3624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **42.3664, 0.2682, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **74.5114, 0.2631, 0.3192**, and if you desaturate by 10%, it is **83.5705, 0.2911, 0.3252**.

Distribution



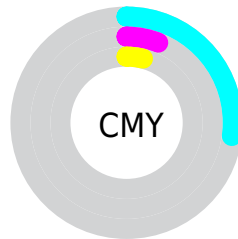
- Red (73%)
- Green (94%)
- Blue (96%)



- Red (73%)
- Yellow (84%)
- Blue (96%)



- Cyan (24%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)




- Cyan (27%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7647, 0.2766, 0.3223 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 78.7647, 0.2766, 0.3223 by changing the saturation by 10% instead.


 78.7647, 0.2766,
0.3223

 78.7647, 0.2766,
0.3223


490.7600, 0.2929,
0.3256

 58.7024, 0.2730,
0.3215


 131.6276, 0.2822,
0.3235

 42.3736, 0.2686,
0.3205


165.1969, 0.2844,
0.3239

 29.3939, 0.2630,
0.3192


204.0373, 0.2863,
0.3243

 19.3790, 0.2559,
0.3174

248.5332, 0.2879,
0.3246

 11.9445, 0.2465,
0.3150

299.0691, 0.2894,
0.3249

 6.7059, 0.2333,
0.3112

356.0292, 0.2907,

 3.2788, 0.2138,

0.3252

0.3051

419.7980, 0.2918,
0.3254

■ 1.2790, 0.1820,
0.2933

■ 0.1248, 0.0000,
0.1471

■ 78.7647, 0.2766,
0.3223

■ 78.7647, 0.2766,
0.3223

■ 74.5114, 0.2631,
0.3192

■ 83.5705, 0.2911,
0.3252

■ 70.7740, 0.2509,
0.3158

■ 88.9442, 0.3064,
0.3280

■ 67.5265, 0.2404,
0.3124

■ 94.0492, 0.3191,
0.3304

■ 64.7367, 0.2316,
0.3089

■ 95.5765, 0.3189,
0.3328

■ 62.3681, 0.2248,
0.3053

■ 97.1241, 0.3188,
0.3352

■ 60.3785, 0.2199,
0.3018

■ 98.6922, 0.3186,
0.3376

■ 58.7166, 0.2168,
0.2983

■ 99.3723, 0.3185,
0.3386

■ 57.8422, 0.2156,
0.2962

Harmonies

Analogous

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



78.7647, 0.2890, 0.3416



78.7647, 0.2766, 0.3223



78.7647, 0.2736, 0.3057

Triad

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



78.7647, 0.2766, 0.3223



78.7647, 0.3165, 0.3025



78.7647, 0.3454, 0.3624

Complementary

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



78.7647, 0.2766, 0.3223



60.6517, 0.3617, 0.3356

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.



78.7647, 0.3535, 0.3506



78.7647, 0.2766, 0.3223



78.7647, 0.3365, 0.3165

Square

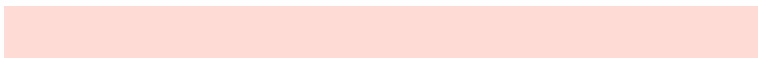
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



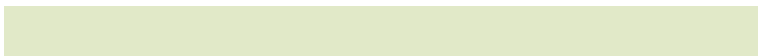
78.7647, 0.2766, 0.3223



78.7647, 0.2961, 0.2951



78.7647, 0.3502, 0.3338



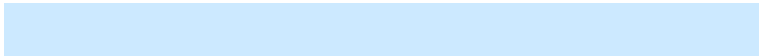
78.7647, 0.3286, 0.3653

Rectangle

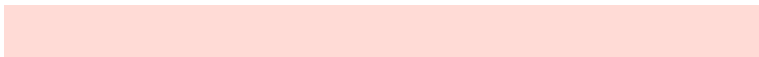
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



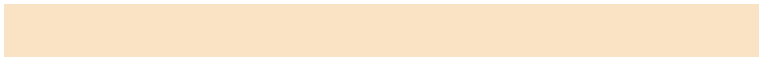
78.7647, 0.2766, 0.3223



78.7647, 0.2772, 0.2983



78.7647, 0.3502, 0.3338



78.7647, 0.3492, 0.3592

Sweetspot

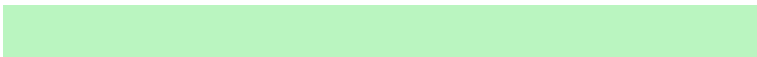
The Sweet Spot groups the original color and five complimentary colors.



78.7679, 0.2766, 0.3223



95.6195, 0.3018, 0.3272



79.5428, 0.3062, 0.3903



20.3888, 0.3009, 0.3270



0.0000, 0.0000, 0.0000



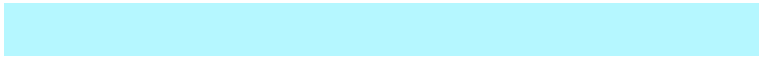
21.4041, 0.3127, 0.3290

Same Dimension

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



78.7679, 0.2766, 0.3223



83.8725, 0.2697, 0.3208



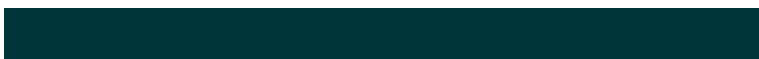
62.9265, 0.2738, 0.2887



18.4533, 0.2981, 0.3265



31.2806, 0.2158, 0.2968



2.8306, 0.2170, 0.3012

Inverse Universe

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



60.7618, 0.3200, 0.2747



61.0739, 0.3218, 0.2633



74.8800, 0.3545, 0.3663



16.7376, 0.3154, 0.3080



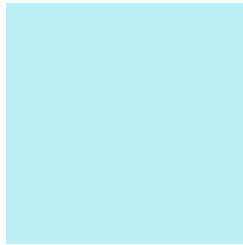
13.2572, 0.3483, 0.1692



1.1734, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 78.7647, 0.2766, 0.3223 looks on a white background.

Color Contrast Check

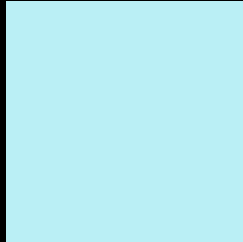
Large Text (above 18pt) WCAG AA × Fail

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 78.7647, 0.2766, 0.3223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

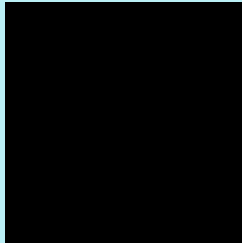
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7647, 0.2766, 0.3223

Background



This preview shows how black text looks on a background with the Yxy color 78.7647, 0.2766, 0.3223.

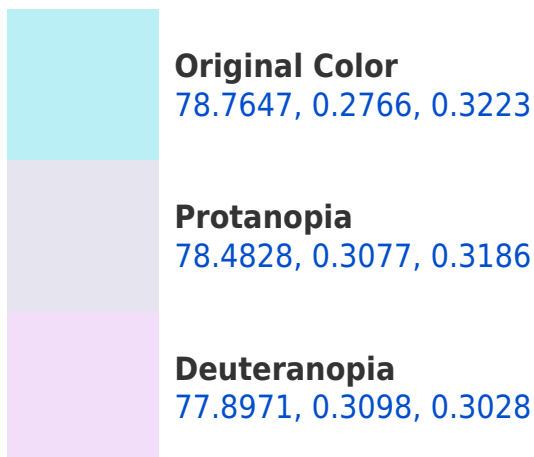


This preview shows how white text looks on a background with the Yxy color 78.7647, 0.2766, 0.3223.

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

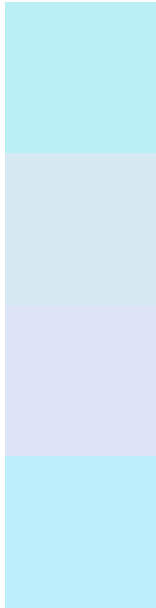




Tritanopia

78.8647, 0.2740, 0.3095

Trichromacy



Original Color

78.7647, 0.2766, 0.3223

Protanomaly

78.3602, 0.2954, 0.3194

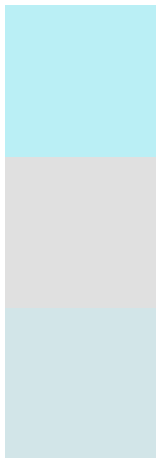
Deuteranomaly

77.7318, 0.2969, 0.3091

Tritanomaly

78.9329, 0.2750, 0.3148

Monochromacy



Original Color

78.7647, 0.2766, 0.3223

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.5665, 0.2981, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7647, 0.2766, 0.3223 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(186, 239, 245)` looks like.

```
.text, #text, p{  
    color:rgb(186, 239, 245)  
}
```

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(186, 239, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 239, 245) }
```

Border

The CSS property to change the border of an element to Yxy 78.7647, 0.2766, 0.3223 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(186, 239, 245) }
```

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

```
.border{ border-color:rgb(186, 239, 245) }
```

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

Here you see how a box with a 4 pixel rgb(186, 239, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 239, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 239, 245);  
box-shadow:4px 4px 4px 4px rgb(186, 239,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7647, 0.2766, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 239, 245) }
```

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

```
.background{ background-color: rgb(186,  
239, 245) }
```

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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