

Converting Colors

$Yxy(78.3718, 0.2768, 0.3368)$

Have a look what the booklet for
Yxy(78.3718, 0.2768, 0.3368)
contains.

Yxy(78.0812, 0.2770, 0.3368)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.0812, 0.2770, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	B0F1EA
RGB	176, 241, 234
RGB Percent	69%, 95%, 92%
CMY	0.3097, 0.0549, 0.0823
CMYK	0.27, 0.00, 0.03, 0.05
HSL	174°, 70%, 82%
HSV	174°, 27%, 95%
XYZ	64.2176, 78.0812, 89.5337
YIQ	220.7670, -36.4930, -15.9570

Conversions

Conversions Part 2

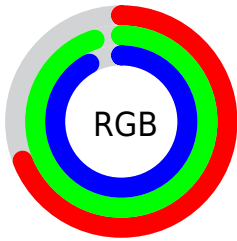
Format	Color
R _Y B	176, 210, 241
Decimal	11596266
CIE Lab	90.82, -21.68, -3.21
CIE LCh	91, 21.912, 188.411
Yxy	78.0812, 0.2770, 0.3368
Android (android.graphics.Color)	4289786346 (0xFFB0F1EA)
YUV	220.7670, 6.5239, -39.2607
Hunter-Lab	88.3636, -24.9126, 1.7793

Details

The Yxy color **78.0812, 0.2770, 0.3368** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.1854, 0.3648, 0.3215**, and the grayscale version is **72.1140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **41.9772, 0.2689, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **75.3713, 0.2657, 0.3401**, and if you desaturate by 10%, it is **81.2983, 0.2895, 0.3337**.

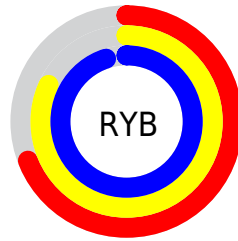
Distribution



Red (69%)

Green (95%)

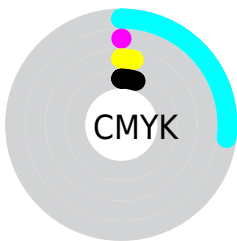
Blue (92%)



Red (69%)

Yellow (82%)

Blue (95%)

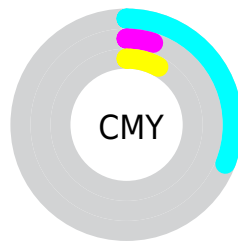


Cyan (27%)

Magenta (0%)

Yellow (3%)

Black (5%)



Cyan (31%)


Magenta (5%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0812, 0.2770, 0.3368 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 78.0812, 0.2770, 0.3368 by changing the saturation by 10% instead.


 78.0812, 0.2770,
0.3368

 78.0812, 0.2770,
0.3368

488.4425, 0.2932,
0.3334

 58.1407, 0.2734,
0.3375


 130.6646, 0.2826,
0.3357

 41.9218, 0.2689,
0.3384

164.0762, 0.2847,
0.3352

 29.0400, 0.2634,
0.3395


202.7471, 0.2866,
0.3348

 19.1111, 0.2562,
0.3408

247.0615, 0.2883,
0.3345

 11.7506, 0.2466,
0.3426

297.4038, 0.2897,
0.3341

 6.5741, 0.2331,
0.3449

354.1585, 0.2910,

 3.1972, 0.2129,

0.3339

0.3479

417.7100, 0.2922,
0.3336

1.2355, 0.1745,
0.3541

0.0904, 0.0000,
0.2190

78.0812, 0.2770,
0.3368

78.0812, 0.2770,
0.3368

75.3713, 0.2657,
0.3401

81.2983, 0.2895,
0.3337

73.1328, 0.2558,
0.3436


85.0375, 0.3030,
0.3308


71.3400, 0.2477,
0.3473


89.3249, 0.3170,
0.3282


69.9609, 0.2415,
0.3510


90.7237, 0.3198,
0.3257

 68.9593, 0.2372,
0.3547


 90.8826, 0.3182,
0.3232

 68.2928, 0.2349,
0.3585


 91.0438, 0.3167,
0.3208

 67.9069, 0.2343,
0.3622

 91.2072, 0.3151,
0.3183

 67.8189, 0.2343,
0.3633

 91.3728, 0.3135,
0.3158

 91.3889, 0.3133,
0.3156

Harmonies

Analogous

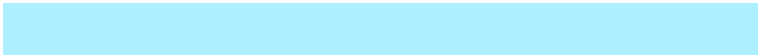
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0812, 0.2983, 0.3595



78.0812, 0.2770, 0.3368



78.0812, 0.2653, 0.3128

Triad

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



78.0812, 0.2770, 0.3368



78.0812, 0.2998, 0.2890



78.0812, 0.3618, 0.3614

Complementary

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



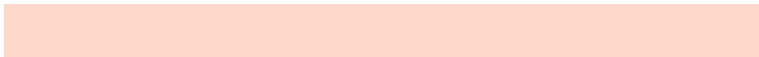
78.0812, 0.2770, 0.3368



53.1854, 0.3648, 0.3215

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.



78.0812, 0.3626, 0.3418



78.0812, 0.2770, 0.3368



78.0812, 0.3260, 0.3012

Square

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



78.0812, 0.2770, 0.3368



78.0812, 0.2780, 0.2865



78.0812, 0.3493, 0.3201



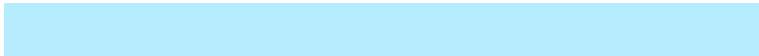
78.0812, 0.3475, 0.3733

Rectangle

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



78.0812, 0.2770, 0.3368



78.0812, 0.2642, 0.2998



78.0812, 0.3493, 0.3201



78.0812, 0.3637, 0.3554

Sweetspot

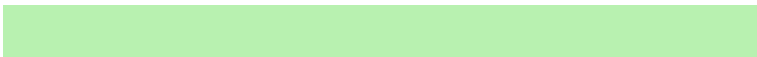
The Sweet Spot groups the original color and five complimentary colors.



78.0844, 0.2770, 0.3368



96.1936, 0.3015, 0.3311



76.1879, 0.3139, 0.4056



20.4458, 0.2994, 0.3316



0.0000, 0.0000, 0.0000



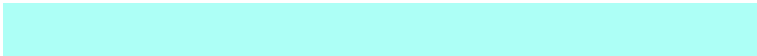
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0844, 0.2770, 0.3368



87.1173, 0.2710, 0.3385



64.7460, 0.2705, 0.3001



17.8980, 0.2995, 0.3315



36.7899, 0.2341, 0.3627



3.0689, 0.2327, 0.3578

Inverse Universe

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



53.1854, 0.3648, 0.3215



54.6856, 0.3787, 0.3200



63.5809, 0.3641, 0.3562



15.7865, 0.3276, 0.3265



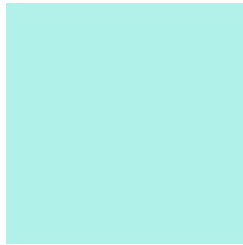
10.1906, 0.6272, 0.3229



0.8569, 0.6012, 0.3085

Previews

White Background



This preview shows how the Yxy color 78.0812, 0.2770, 0.3368 looks on a white background.

Color Contrast Check

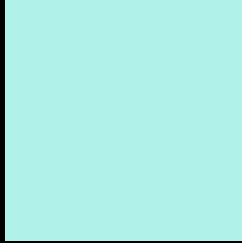
Large Text (above 18pt) WCAG AA × Fail

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 78.0812, 0.2770, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

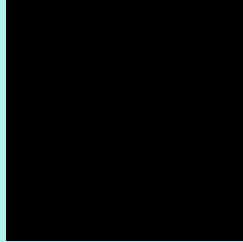
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.0812, 0.2770, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 78.0812, 0.2770, 0.3368.

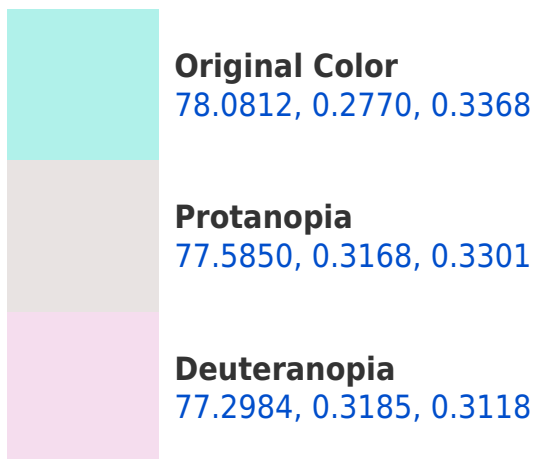


This preview shows how white text looks on a background with the Yxy color 78.0812, 0.2770, 0.3368.

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

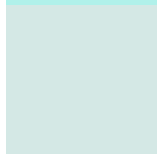
77.9787, 0.2701, 0.3093

Trichromacy



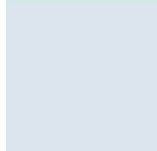
Original Color

78.0812, 0.2770, 0.3368



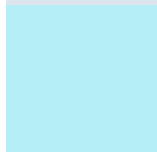
Protanomaly

77.3674, 0.3012, 0.3322



Deuteranomaly

76.8169, 0.3017, 0.3194



Tritanomaly

77.6882, 0.2727, 0.3189

Monochromacy



Original Color

78.0812, 0.2770, 0.3368



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

73.9569, 0.2984, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0812, 0.2770, 0.3368 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(176, 241, 234)` looks like.

```
.text, #text, p{  
    color:rgb(176, 241, 234)  
}
```

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(176, 241, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 241, 234) }
```

Border

The CSS property to change the border of an element to Yxy 78.0812, 0.2770, 0.3368 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(176, 241, 234) }
```

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

```
.border{ border-color:rgb(176, 241, 234) }
```

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

Here you see how a box with a 4 pixel rgb(176, 241, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 241, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 241, 234);  
box-shadow:4px 4px 4px 4px rgb(176, 241,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0812, 0.2770, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 241, 234) }
```

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

```
.background{ background-color: rgb(176,  
241, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor