

Converting Colors

$Y_{xy}(77.0355, 0.2730, 0.3369)$

Have a look what the booklet for
Yxy(77.0355, 0.2730, 0.3369)
contains.

Yxy(77.1759, 0.2726, 0.3369)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.1759, 0.2726, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	A8F1EA
RGB	168, 241, 234
RGB Percent	66%, 95%, 92%
CMY	0.3414, 0.0548, 0.0823
CMYK	0.30, 0.00, 0.03, 0.05
HSL	174°, 72%, 80%
HSV	174°, 30%, 95%
XYZ	62.4463, 77.1759, 89.4544
YIQ	218.3750, -41.2610, -17.6530

Conversions

Conversions Part 2

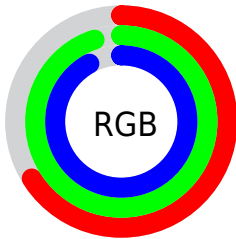
Format	Color
R_{YB}	168, 206, 241
Decimal	11071978
CIE _{Lab}	90.40, -23.96, -3.86
CIE _{LCh}	90, 24.271, 189.161
Yxy	77.1759, 0.2726, 0.3369
Android (android.graphics.Color)	4289262058 (0xFFA8F1EA)
YUV	218.3750, 7.7031, -44.1789
Hunter-Lab	87.8498, -26.8540, 1.1219

Details

The Yxy color **77.1759, 0.2726, 0.3369** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.7798, 0.3746, 0.3214**, and the grayscale version is **70.3442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **41.4230, 0.2638, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **74.6436, 0.2616, 0.3399**, and if you desaturate by 10%, it is **80.2063, 0.2849, 0.3341**.

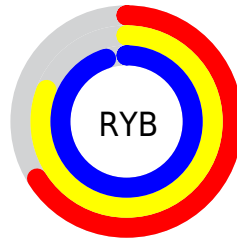
Distribution



Red (66%)

Green (95%)

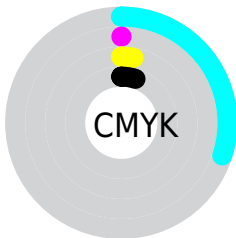
Blue (92%)



Red (66%)

Yellow (81%)

Blue (95%)

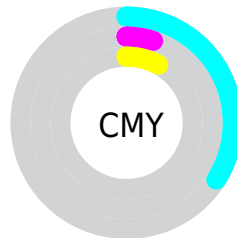


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (5%)



Cyan (34%)


Magenta (5%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1759, 0.2726, 0.3369 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 77.1759, 0.2726, 0.3369 by changing the saturation by 10% instead.

 77.1759, 0.2726,
0.3369

 77.1759, 0.2726,
0.3369


485.3636, 0.2908,
0.3335

 57.3973, 0.2685,
0.3376

 129.3878, 0.2789,
0.3358

 41.3243, 0.2635,
0.3385

162.5897, 0.2813,
0.3353

 28.5725, 0.2573,
0.3395


201.0350, 0.2834,
0.3349

 18.7577, 0.2492,
0.3408

245.1079, 0.2853,
0.3346

 11.4953, 0.2384,
0.3425

295.1927, 0.2869,
0.3342

 6.4010, 0.2233,
0.3445

351.6741, 0.2884,

 3.0904, 0.2007,

0.3340

414.9362, 0.2896,
0.3337

0.3471

1.1791, 0.1531,
0.3543

0.0446, 0.0000,
0.1227

77.1759, 0.2726,
0.3369

77.1759, 0.2726,
0.3369

74.6436, 0.2616,
0.3399

80.2063, 0.2849,
0.3341

72.5729, 0.2523,
0.3431

83.7506, 0.2982,
0.3315

70.9372, 0.2447,
0.3463

87.8351, 0.3123,
0.3291

69.7032, 0.2390,
0.3496

90.6658, 0.3205,
0.3269

■ 68.8329, 0.2353,
0.3529

■ 90.8064, 0.3191,
0.3246

■ 68.2810, 0.2335,
0.3562

■ 90.9488, 0.3177,
0.3224

■ 67.9771, 0.2332,
0.3594

■ 91.0930, 0.3163,
0.3202

■ 91.2390, 0.3149,
0.3180

■ 91.3867, 0.3135,
0.3158

Harmonies

Analogous

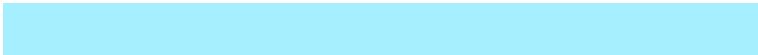
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1759, 0.2959, 0.3625



77.1759, 0.2726, 0.3369



77.1759, 0.2600, 0.3102

Triad

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



77.1759, 0.2726, 0.3369



77.1759, 0.2990, 0.2850



77.1759, 0.3671, 0.3652

Complementary

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



77.1759, 0.2726, 0.3369



49.7798, 0.3746, 0.3214

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.



77.1759, 0.3684, 0.3436



77.1759, 0.2726, 0.3369



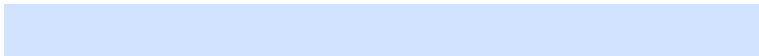
77.1759, 0.3281, 0.2986

Square

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



77.1759, 0.2726, 0.3369



77.1759, 0.2747, 0.2818



77.1759, 0.3539, 0.3196



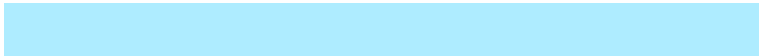
77.1759, 0.3507, 0.3785

Rectangle

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



77.1759, 0.2726, 0.3369



77.1759, 0.2590, 0.2960



77.1759, 0.3539, 0.3196



77.1759, 0.3694, 0.3586

Sweetspot

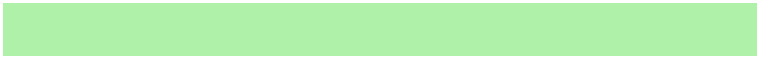
The Sweet Spot groups the original color and five complimentary colors.



77.1790, 0.2726, 0.3369



95.7633, 0.3000, 0.3311



74.8872, 0.3131, 0.4168



20.3609, 0.2980, 0.3315



0.0000, 0.0000, 0.0000



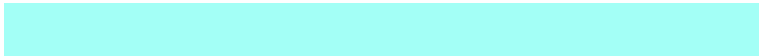
21.4041, 0.3127, 0.3290

Same Dimension

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



77.1790, 0.2726, 0.3369



85.9939, 0.2661, 0.3386



61.6498, 0.2651, 0.2945



17.9013, 0.2994, 0.3313



36.8683, 0.2330, 0.3588



3.0746, 0.2318, 0.3545

Inverse Universe

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



49.7798, 0.3746, 0.3214



50.5040, 0.3917, 0.3200



61.5383, 0.3717, 0.3611



15.7834, 0.3278, 0.3268



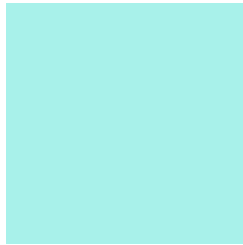
10.1834, 0.6291, 0.3239



0.8554, 0.6051, 0.3107

Previews

White Background



This preview shows how the Yxy color 77.1759, 0.2726, 0.3369 looks on a white background.

Color Contrast Check

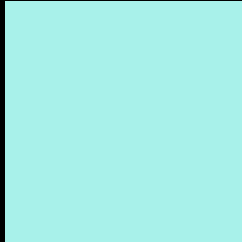
Large Text (above 18pt) WCAG AA × Fail

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 77.1759, 0.2726, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

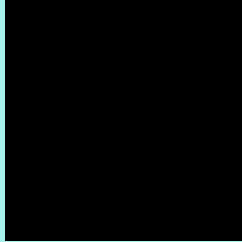
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1759, 0.2726, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 77.1759, 0.2726, 0.3369.

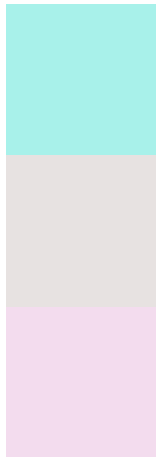


This preview shows how white text looks on a background with the Yxy color 77.1759, 0.2726, 0.3369.

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

77.1759, 0.2726, 0.3369

Protanopia

76.8179, 0.3168, 0.3301

Deuteranopia

76.4141, 0.3171, 0.3107



Tritanopia

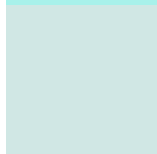
77.1355, 0.2663, 0.3090

Trichromacy



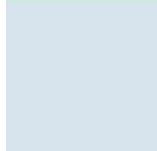
Original Color

77.1759, 0.2726, 0.3369



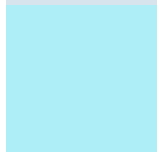
Protanomaly

76.1632, 0.2992, 0.3322



Deuteranomaly

76.2002, 0.2990, 0.3193



Tritanomaly

76.8631, 0.2688, 0.3188

Monochromacy



Original Color

77.1759, 0.2726, 0.3369



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.0539, 0.2963, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1759, 0.2726, 0.3369 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(168, 241, 234)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 241, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 241, 234) }
```

Border

The CSS property to change the border of an element to Yxy 77.1759, 0.2726, 0.3369 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(168, 241, 234) }
```

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

```
.border{ border-color:rgb(168, 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(168, 241, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 241, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 241, 234);  
box-shadow:4px 4px 4px 4px rgb(168, 241,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1759, 0.2726, 0.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 241, 234) }
```

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

```
.background{ background-color: rgb(168,  
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