

Converting Colors

$Yxy(77.0309, 0.2717, 0.3355)$

Have a look what the booklet for
Yxy(77.0309, 0.2717, 0.3355)
contains.

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Color

Yxy(77.1242, 0.2716, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	A7F1EB
RGB	167, 241, 235
RGB Percent	65%, 95%, 92%
CMY	0.3452, 0.0549, 0.0786
CMYK	0.31, 0.00, 0.03, 0.05
HSL	175°, 73%, 80%
HSV	175°, 31%, 95%
XYZ	62.3792, 77.1242, 90.1696
YIQ	218.1900, -42.1780, -17.5540

Conversions

Conversions Part 2

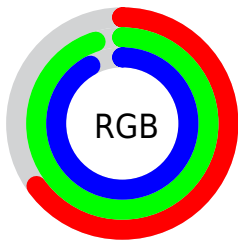
Format	Color
RYB	167, 206, 241
Decimal	11006443
CIELab	90.38, -24.02, -4.40
CIELCh	90, 24.415, 190.390
Yxy	77.1242, 0.2716, 0.3358
Android (android.graphics.Color)	4289196523 (0xFFA7F1EB)
YUV	218.1900, 8.2873, -44.8936
Hunter-Lab	87.8204, -26.8964, 0.5982

Details

The Yxy color **77.1242, 0.2716, 0.3358** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.3507, 0.3767, 0.3225**, and the grayscale version is **70.2098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **41.3973, 0.2626, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **74.6297, 0.2606, 0.3384**, and if you desaturate by 10%, it is **80.1152, 0.2840, 0.3334**.

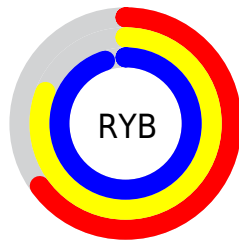
Distribution



Red (65%)

Green (95%)

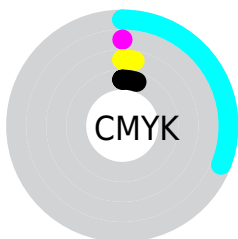
Blue (92%)



Red (65%)

Yellow (81%)

Blue (95%)

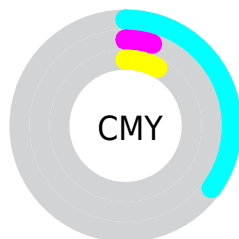


Cyan (31%)

Magenta (0%)

Yellow (3%)

Black (5%)



Cyan (35%)


Magenta (5%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1242, 0.2716, 0.3358 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 77.1242, 0.2716, 0.3358 by changing the saturation by 10% instead.

 77.1242, 0.2716,
0.3358

 77.1242, 0.2716,
0.3358


485.1874, 0.2903,
0.3329

 57.3548, 0.2674,
0.3364


 129.3148, 0.2780,
0.3349

 41.2902, 0.2623,
0.3371


 162.5048, 0.2805,
0.3345

 28.5459, 0.2559,
0.3379


200.9371, 0.2827,
0.3341

 18.7376, 0.2477,
0.3390

244.9961, 0.2846,
0.3338

 11.4808, 0.2367,
0.3402

295.0663, 0.2863,
0.3336

 6.3912, 0.2213,
0.3417

351.5320, 0.2877,

 3.0844, 0.1982,

0.3333

414.7775, 0.2891,
0.3331

0.3434

1.1759, 0.1500,
0.3488

0.0419, 0.0000,
0.1060

77.1242, 0.2716,
0.3358

77.1242, 0.2716,
0.3358

74.6297, 0.2606,
0.3384

80.1152, 0.2840,
0.3334

72.5953, 0.2511,
0.3410


83.6187, 0.2974,
0.3312

70.9941, 0.2435,
0.3438


87.6610, 0.3117,
0.3291

69.7927, 0.2379,
0.3466


90.6392, 0.3208,
0.3273

 68.9529, 0.2342,
0.3494

 90.7587, 0.3196,
0.3253

 68.4290, 0.2323,
0.3521

 90.8794, 0.3184,
0.3234

 68.1560, 0.2319,
0.3547

 91.0014, 0.3172,
0.3216

 91.1247, 0.3160,
0.3197

 91.2493, 0.3148,
0.3178

Harmonies

Analogous

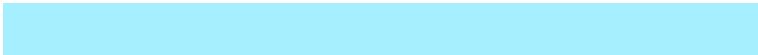
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1242, 0.2947, 0.3618



77.1242, 0.2716, 0.3358



77.1242, 0.2595, 0.3091

Triad

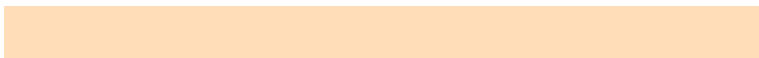
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1242, 0.2716, 0.3358



77.1242, 0.3001, 0.2851



77.1242, 0.3671, 0.3662

Complementary

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



77.1242, 0.2716, 0.3358



49.3507, 0.3767, 0.3225

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.



77.1242, 0.3691, 0.3446



77.1242, 0.2716, 0.3358



77.1242, 0.3294, 0.2992

Square

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



77.1242, 0.2716, 0.3358



77.1242, 0.2753, 0.2814



77.1242, 0.3550, 0.3205



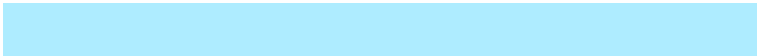
77.1242, 0.3500, 0.3791

Rectangle

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



77.1242, 0.2716, 0.3358



77.1242, 0.2588, 0.2950



77.1242, 0.3550, 0.3205



77.1242, 0.3696, 0.3597

Sweetspot

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



77.1273, 0.2716, 0.3358



95.7841, 0.2998, 0.3308



74.6083, 0.3123, 0.4184



20.3661, 0.2978, 0.3311



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.



77.1273, 0.2716, 0.3358



85.7944, 0.2644, 0.3374



60.7395, 0.2643, 0.2924



17.9054, 0.2992, 0.3309



36.9649, 0.2317, 0.3542



3.0817, 0.2307, 0.3506

Inverse Universe

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



49.3507, 0.3767, 0.3225



49.4680, 0.3962, 0.3211



61.8009, 0.3722, 0.3628



15.7798, 0.3280, 0.3271



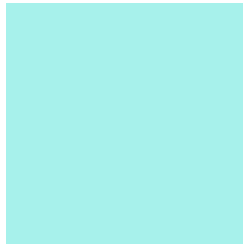
10.1755, 0.6311, 0.3250



0.8537, 0.6100, 0.3134

Previews

White Background



This preview shows how the Yxy color 77.1242, 0.2716, 0.3358 looks on a white background.

Color Contrast Check

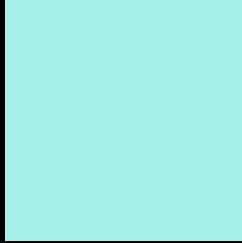
Large Text (above 18pt) WCAG AA × Fail

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 77.1242, 0.2716, 0.3358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

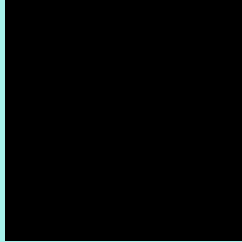
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1242, 0.2716, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 77.1242, 0.2716, 0.3358.

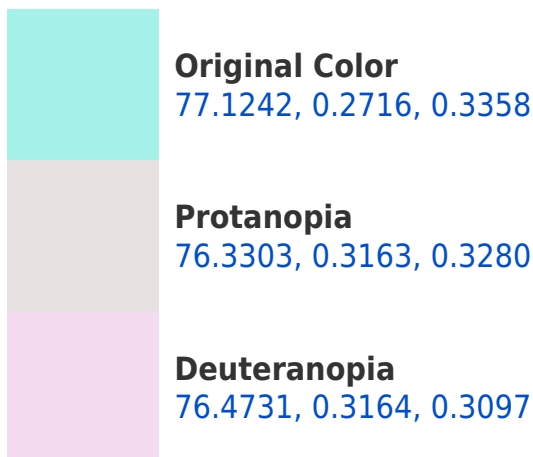


This preview shows how white text looks on a background with the Yxy color 77.1242, 0.2716, 0.3358.

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

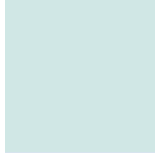
77.0185, 0.2658, 0.3090

Trichromacy



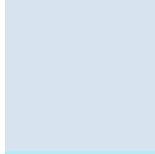
Original Color

77.1242, 0.2716, 0.3358



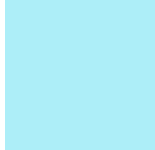
Protanomaly

76.2189, 0.2986, 0.3311



Deuteranomaly

76.1069, 0.2977, 0.3183



Tritanomaly

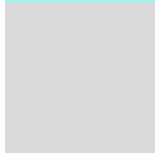
76.8106, 0.2678, 0.3177

Monochromacy



Original Color

77.1242, 0.2716, 0.3358



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

71.9166, 0.2957, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1242, 0.2716, 0.3358 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(167, 241, 235)` looks like.

```
.text, #text, p{  
    color:rgb(167, 241, 235)  
}
```

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(167, 241, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 241, 235) }
```

Border

The CSS property to change the border of an element to Yxy 77.1242, 0.2716, 0.3358 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(167, 241, 235) }
```

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

```
.border{ border-color:rgb(167, 241, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 241, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 241, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 241, 235);  
box-shadow:4px 4px 4px 4px rgb(167, 241,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1242, 0.2716, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 241, 235) }
```

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

```
.background{ background-color: rgb(167,  
241, 235) }
```

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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