

Converting Colors

$Yxy(75.2338, 0.2737, 0.3389)$

Have a look what the booklet for
Yxy(75.2338, 0.2737, 0.3389)
contains.

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Color

Yxy(74.9692, 0.2733, 0.3382)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A6EEE6 |
| RGB | 166, 238, 230 |
| RGB Percent | 65%, 93%, 90% |
| CMY | 0.3489, 0.0667, 0.0981 |
| CMYK | 0.30, 0.00, 0.03, 0.07 |
| HSL | 173°, 68%, 79% |
| HSV | 173°, 30%, 93% |
| XYZ | 60.5827, 74.9692, 86.1193 |
| YIQ | 215.5600, -40.3440, -17.7520 |

Conversions

Conversions Part 2

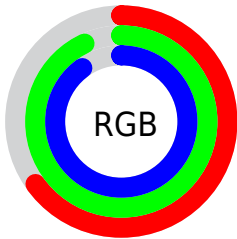
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 166, 204, 238 |
| Decimal | 10940134 |
| CIELab | 89.38, -23.92, -3.27 |
| CIELCh | 89, 24.139, 187.791 |
| Yxy | 74.9692, 0.2733, 0.3382 |
| Android (android.graphics.Color) | 4289130214 (0xFFA6EEE6) |
| YUV | 215.5600, 7.1189, -43.4641 |
| Hunter-Lab | 86.5848, -26.6281, 1.6381 |

Details

The Yxy color **74.9692, 0.2733, 0.3382** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.5155, 0.3732, 0.3202**, and the grayscale version is **68.3290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **39.9305, 0.2638, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **72.4853, 0.2625, 0.3417**, and if you desaturate by 10%, it is **77.9374, 0.2854, 0.3349**.

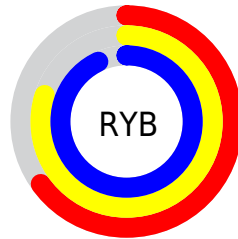
Distribution



Red (65%)

Green (93%)

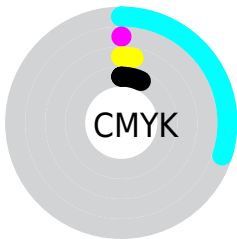
Blue (90%)



Red (65%)

Yellow (80%)

Blue (93%)

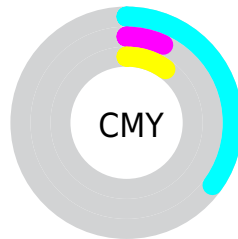


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (7%)



Cyan (35%)


Magenta (7%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9692, 0.2733, 0.3382 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 74.9692, 0.2733, 0.3382 by changing the saturation by 10% instead.

 74.9692, 0.2733,
0.3382

 74.9692, 0.2733,
0.3382


477.8117, 0.2913,
0.3342

 55.5877, 0.2692,
0.3391


 126.2688, 0.2795,
0.3368

 39.8724, 0.2643,
0.3401

 158.9556, 0.2819,
0.3363

 27.4391, 0.2580,
0.3414


196.8463, 0.2840,
0.3358

 17.9033, 0.2499,
0.3431

240.3252, 0.2858,
0.3354

 10.8806, 0.2390,
0.3452

289.7769, 0.2875,
0.3350

 5.9866, 0.2236,
0.3480


345.5855, 0.2889,

 2.8369, 0.2004,


0.3347


0.3517

408.1357, 0.2902,
0.3344


 1.0472, 0.1406,
0.3654


 0.0000, 0.0000,
0.0000


 74.9692, 0.2733,
0.3382


 74.9692, 0.2733,
0.3382


 72.4853, 0.2625,
0.3417


 77.9374, 0.2854,
0.3349


 70.4502, 0.2532,
0.3454


 81.4051, 0.2985,
0.3319

 68.8383, 0.2457,
0.3492


 85.3980, 0.3124,
0.3291


 67.6172, 0.2402,
0.3531


 88.7381, 0.3224,
0.3265

 66.7502, 0.2366,
0.3570

 88.8976, 0.3208,
0.3239


 66.1933, 0.2349,
0.3609

 89.0594, 0.3191,
0.3214

 65.8772, 0.2346,
0.3646

 89.2236, 0.3175,
0.3188

 89.3901, 0.3158,
0.3163

 89.5589, 0.3142,
0.3137

Harmonies

Analogous

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



74.9692, 0.2971, 0.3637



74.9692, 0.2733, 0.3382



74.9692, 0.2601, 0.3113

Triad

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



74.9692, 0.2733, 0.3382



74.9692, 0.2977, 0.2845



74.9692, 0.3678, 0.3645

Complementary

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



74.9692, 0.2733, 0.3382



48.5155, 0.3732, 0.3202

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.



74.9692, 0.3684, 0.3426



74.9692, 0.2733, 0.3382



74.9692, 0.3268, 0.2977

Square

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



74.9692, 0.2733, 0.3382



74.9692, 0.2736, 0.2818



74.9692, 0.3531, 0.3185



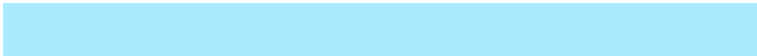
74.9692, 0.3519, 0.3784

Rectangle

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



74.9692, 0.2733, 0.3382



74.9692, 0.2587, 0.2967



74.9692, 0.3531, 0.3185



74.9692, 0.3698, 0.3578

Sweetspot

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



74.9722, 0.2733, 0.3382



95.7404, 0.3002, 0.3315



72.9521, 0.3139, 0.4163



20.3552, 0.2982, 0.3319



0.0000, 0.0000, 0.0000



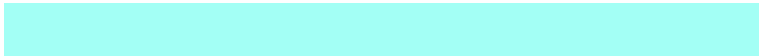
21.4041, 0.3127, 0.3290

Same Dimension

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



74.9722, 0.2733, 0.3382



85.9055, 0.2668, 0.3402



60.5784, 0.2654, 0.2961



17.8968, 0.2996, 0.3316



36.7635, 0.2345, 0.3640



3.0670, 0.2330, 0.3589

Inverse Universe

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



48.5155, 0.3732, 0.3202



50.5597, 0.3902, 0.3184



59.3436, 0.3718, 0.3597



15.7875, 0.3276, 0.3264



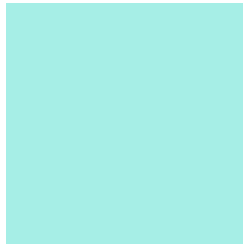
10.1933, 0.6266, 0.3225



0.8574, 0.5999, 0.3078

Previews

White Background



This preview shows how the Yxy color 74.9692, 0.2733, 0.3382 looks on a white background.

Color Contrast Check

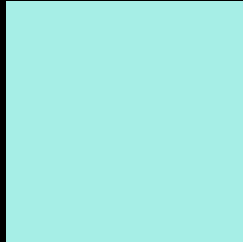
Large Text (above 18pt) WCAG AA × Fail

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 74.9692, 0.2733, 0.3382 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 74.9692, 0.2733, 0.3382

Background



This preview shows how black text looks on a background with the Yxy color 74.9692, 0.2733, 0.3382.

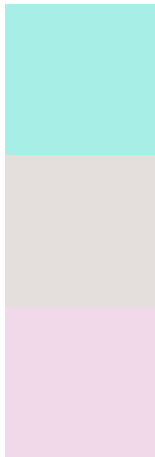


This preview shows how white text looks on a background with the Yxy color 74.9692, 0.2733, 0.3382.

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

74.9692, 0.2733, 0.3382

Protanopia

74.4898, 0.3176, 0.3311

Deuteranopia

74.2670, 0.3186, 0.3115



Tritanopia

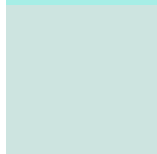
74.5954, 0.2637, 0.3076

Trichromacy



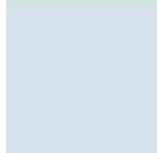
Original Color

74.9692, 0.2733, 0.3382



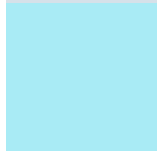
Protanomaly

73.8478, 0.2997, 0.3334



Deuteranomaly

74.0298, 0.3001, 0.3203



Tritanomaly

74.4443, 0.2668, 0.3175

Monochromacy



Original Color

74.9692, 0.2733, 0.3382



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

70.5375, 0.2968, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9692, 0.2733, 0.3382 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(166, 238, 230)` looks like.

```
.text, #text, p{  
    color:rgb(166, 238, 230)  
}
```

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(166, 238, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 238, 230) }
```

Border

The CSS property to change the border of an element to Yxy 74.9692, 0.2733, 0.3382 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(166, 238, 230) }
```

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

```
.border{ border-color:rgb(166, 238, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 238, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 238, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 238, 230);  
box-shadow:4px 4px 4px 4px rgb(166, 238,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9692, 0.2733, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 238, 230) }
```

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

```
.background{ background-color: rgb(166,  
238, 230) }
```

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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