

Converting Colors

$Yxy(72.2365, 0.2756, 0.3397)$

Have a look what the booklet for
Yxy(72.2365, 0.2756, 0.3397)
contains.

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Color

Yxy(72.3889, 0.2755, 0.3395)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A6EAE1 |
| RGB | 166, 234, 225 |
| RGB Percent | 65%, 92%, 88% |
| CMY | 0.3488, 0.0824, 0.1178 |
| CMYK | 0.29, 0.00, 0.04, 0.08 |
| HSL | 172°, 62%, 78% |
| HSV | 172°, 29%, 92% |
| XYZ | 58.7427, 72.3889, 82.0905 |
| YIQ | 212.6420, -37.6390, -17.2150 |

Conversions

Conversions Part 2

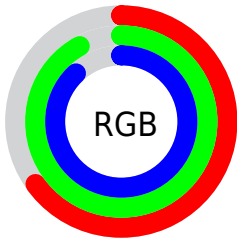
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 166, 202, 234 |
| Decimal | 10939105 |
| CIE _{Lab} | 88.16, -23.05, -2.45 |
| CIE _{LCh} | 88, 23.175, 186.070 |
| Yxy | 72.3889, 0.2755, 0.3395 |
| Android (android.graphics.Color) | 4289129185 (0xFFA6EAE1) |
| YUV | 212.6420, 6.0925, -40.9050 |
| Hunter-Lab | 85.0817, -25.6517, 2.3516 |

Details

The Yxy color **72.3889, 0.2755, 0.3395** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.8787, 0.3685, 0.3189**, and the grayscale version is **66.2717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **38.1878, 0.2669, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **69.9199, 0.2647, 0.3437**, and if you desaturate by 10%, it is **75.3269, 0.2875, 0.3356**.

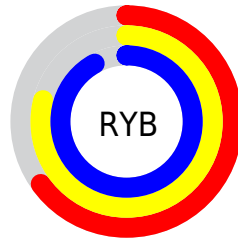
Distribution



Red (65%)

Green (92%)

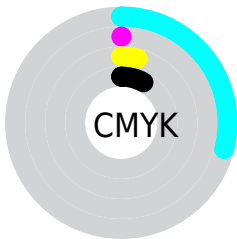
Blue (88%)



Red (65%)

Yellow (79%)

Blue (92%)

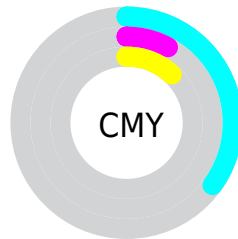


Cyan (29%)

Magenta (0%)

Yellow (4%)

Black (8%)



Cyan (35%)


Magenta (8%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3889, 0.2755, 0.3395 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 72.3889, 0.2755, 0.3395 by changing the saturation by 10% instead.


 72.3889, 0.2755,
0.3395


 72.3889, 0.2755,
0.3395


468.8941, 0.2926,
0.3348

 53.4764, 0.2716,
0.3405


 122.6093, 0.2814,
0.3379

 38.1832, 0.2668,
0.3418


 154.6860, 0.2837,
0.3373

 26.1249, 0.2608,
0.3434


191.9195, 0.2857,
0.3367

 16.9171, 0.2529,
0.3454

234.6944, 0.2875,
0.3362

 10.1754, 0.2422,
0.3481

283.3948, 0.2890,
0.3358

 5.5154, 0.2270,
0.3518

338.4053, 0.2903,

 2.5527, 0.2036,

0.3354

400.1103, 0.2915,
0.3351

0.3570

0.9030, 0.1249,
0.3817

0.0000, 0.0000,
0.0000

72.3889, 0.2755,
0.3395

72.3889, 0.2755,
0.3395

69.9199, 0.2647,
0.3437

75.3269, 0.2875,
0.3356

67.8862, 0.2554,
0.3481


78.7483, 0.3005,
0.3320

66.2634, 0.2479,
0.3526


82.6775, 0.3140,
0.3287


65.0210, 0.2422,
0.3573


86.2434, 0.3248,
0.3257


 64.1243, 0.2385,
0.3620


 86.4271, 0.3228,
0.3227


 63.5323, 0.2368,
0.3667


 86.6139, 0.3208,
0.3196

 63.1820, 0.2366,
0.3713

 86.8040, 0.3189,
0.3166

 63.1533, 0.2366,
0.3718

 86.9972, 0.3169,
0.3137

 87.1936, 0.3149,
0.3107

Harmonies

Analogous

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



72.3889, 0.2991, 0.3638



72.3889, 0.2755, 0.3395



72.3889, 0.2620, 0.3132

Triad

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



72.3889, 0.2755, 0.3395



72.3889, 0.2966, 0.2852



72.3889, 0.3666, 0.3625

Complementary

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



72.3889, 0.2755, 0.3395



47.8787, 0.3685, 0.3189

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.



72.3889, 0.3663, 0.3409



72.3889, 0.2755, 0.3395



72.3889, 0.3248, 0.2976

Square

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



72.3889, 0.2755, 0.3395



72.3889, 0.2737, 0.2833



72.3889, 0.3507, 0.3175



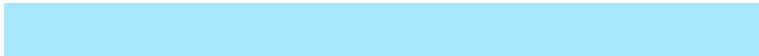
72.3889, 0.3520, 0.3765

Rectangle

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



72.3889, 0.2755, 0.3395



72.3889, 0.2600, 0.2987



72.3889, 0.3507, 0.3175



72.3889, 0.3683, 0.3558

Sweetspot

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



72.3918, 0.2755, 0.3395



95.7094, 0.3005, 0.3320



70.7262, 0.3147, 0.4121



20.3475, 0.2985, 0.3325



0.0000, 0.0000, 0.0000



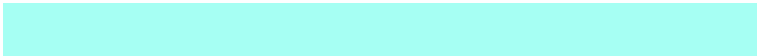
21.4041, 0.3127, 0.3290

Same Dimension

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



72.3918, 0.2755, 0.3395



86.0799, 0.2687, 0.3420



59.6936, 0.2675, 0.2990



17.0855, 0.2999, 0.3321



35.5025, 0.2364, 0.3710



2.7974, 0.2346, 0.3646

Inverse Universe

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



47.8787, 0.3685, 0.3189



51.6401, 0.3854, 0.3167



57.4917, 0.3692, 0.3571



15.0866, 0.3272, 0.3259



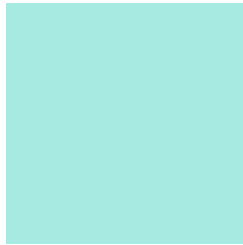
9.8959, 0.6226, 0.3203



0.7875, 0.5911, 0.3030

Previews

White Background



This preview shows how the Yxy color 72.3889, 0.2755, 0.3395 looks on a white background.

Color Contrast Check

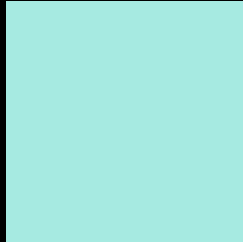
Large Text (above 18pt) WCAG AA × Fail

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 72.3889, 0.2755, 0.3395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

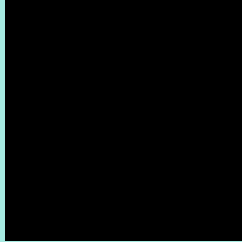
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

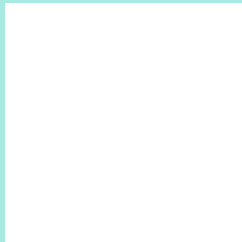
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.3889, 0.2755, 0.3395

Background



This preview shows how black text looks on a background with the Yxy color 72.3889, 0.2755, 0.3395.

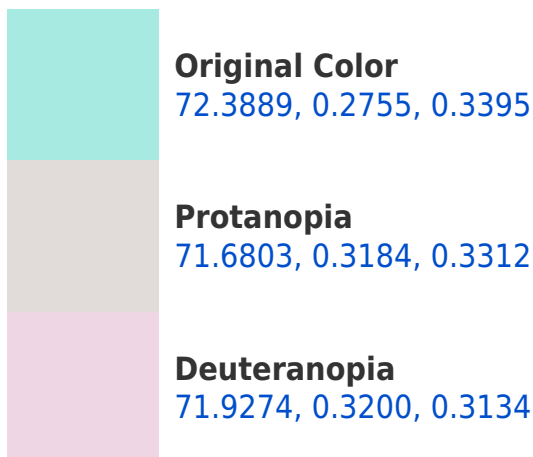


This preview shows how white text looks on a background with the Yxy color 72.3889, 0.2755, 0.3395.

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

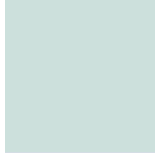
72.0911, 0.2652, 0.3074

Trichromacy



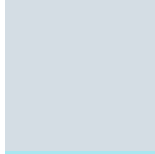
Original Color

72.3889, 0.2755, 0.3395



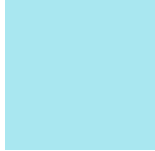
Protanomaly

71.3160, 0.3015, 0.3335



Deuteranomaly

71.3114, 0.3019, 0.3213



Tritanomaly

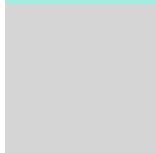
71.8781, 0.2688, 0.3185

Monochromacy



Original Color

72.3889, 0.2755, 0.3395



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.4584, 0.2979, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3889, 0.2755, 0.3395 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, 234, 225)` looks like.

```
.text, #text, p{  
    color:rgb(166, 234, 225)  
}
```

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, 234, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 234, 225) }
```

Border

The CSS property to change the border of an element to Yxy 72.3889, 0.2755, 0.3395 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, 234, 225) }
```

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

```
.border{ border-color:rgb(166, 234, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 234, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 234, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 234, 225);  
box-shadow:4px 4px 4px 4px rgb(166, 234,  
225) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.3889, 0.2755, 0.3395$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 234, 225) }
```

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

```
.background{ background-color: rgb(166,  
234, 225) }
```

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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