

Converting Colors

$Yxy(71.1738, 0.2667, 0.3133)$

Have a look what the booklet for
Yxy(71.1738, 0.2667, 0.3133)
contains.

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Color

Yxy(71.3895, 0.2666, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	A8E6F3
RGB	168, 230, 243
RGB Percent	66%, 90%, 95%
CMY	0.3413, 0.0980, 0.0472
CMYK	0.31, 0.05, 0.00, 0.05
HSL	190°, 76%, 81%
HSV	190°, 31%, 95%
XYZ	60.6129, 71.3895, 95.3527
YIQ	212.9440, -41.1250, -9.1010

Conversions

Conversions Part 2

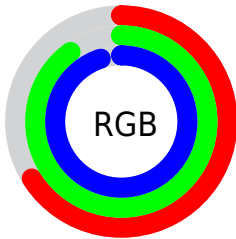
Format	Color
RYB	168, 202, 243
Decimal	11069171
CIELab	87.67, -16.50, -12.60
CIElCh	88, 20.757, 217.369
Yxy	71.3895, 0.2666, 0.3140
Android (android.graphics.Color)	4289259251 (0xFFA8E6F3)
YUV	212.9440, 14.8176, -39.4159
Hunter-Lab	84.4923, -19.8097, -7.7664

Details

The Yxy color **71.3895, 0.2666, 0.3140** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.8894, 0.3786, 0.3434**, and the grayscale version is **66.4158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **37.3707, 0.2557, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **66.6631, 0.2533, 0.3084**, and if you desaturate by 10%, it is **76.6760, 0.2809, 0.3193**.

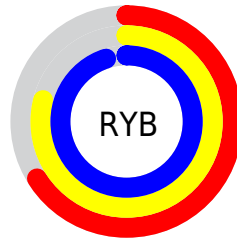
Distribution



Red (66%)

Green (90%)

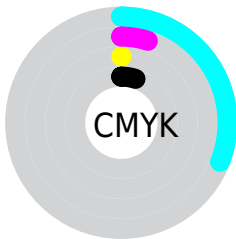
Blue (95%)



Red (66%)

Yellow (79%)

Blue (95%)

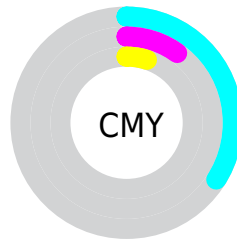


Cyan (31%)

Magenta (5%)

Yellow (0%)

Black (5%)



Cyan (34%)


Magenta (10%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.3895, 0.2666, 0.3140 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 71.3895, 0.2666, 0.3140 by changing the saturation by 10% instead.


 71.3895, 0.2666,
0.3140

 71.3895, 0.2666,
0.3140


465.4139, 0.2877,
0.3213

 52.6601, 0.2619,
0.3122

 121.1882, 0.2739,
0.3166

 37.5315, 0.2560,
0.3100

153.0262, 0.2767,
0.3176

 25.6193, 0.2487,
0.3071


190.0027, 0.2791,
0.3185

 16.5390, 0.2393,
0.3033

232.5018, 0.2813,
0.3192

 9.9064, 0.2267,
0.2978

280.9081, 0.2832,
0.3198

 5.3369, 0.2090,
0.2895

335.6060, 0.2848,

 2.4463, 0.1826,

0.3204

0.2759

396.9798, 0.2863,
0.3209

0.8495, 0.1216,
0.2552

0.0000, 0.0000,
0.0000

71.3895, 0.2666,
0.3140

71.3895, 0.2666,
0.3140

66.6631, 0.2533,
0.3084

76.6760, 0.2809,
0.3193

62.4601, 0.2414,
0.3025

82.5400, 0.2959,
0.3242

58.7523, 0.2311,
0.2963

89.0087, 0.3114,
0.3286

55.5052, 0.2227,
0.2901

94.1282, 0.3203,
0.3327

■ 52.6794, 0.2162,
0.2838

■ 96.7208, 0.3200,
0.3367

■ 50.2275, 0.2116,
0.2775

■ 99.2492, 0.3197,
0.3406

■ 48.2461, 0.2089,
0.2719

Harmonies

Analogous

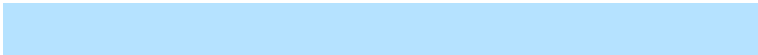
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3895, 0.2784, 0.3375



71.3895, 0.2666, 0.3140



71.3895, 0.2665, 0.2960

Triad

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



71.3895, 0.2666, 0.3140



71.3895, 0.3248, 0.3013



71.3895, 0.3473, 0.3720

Complementary

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



71.3895, 0.2666, 0.3140



54.8894, 0.3786, 0.3434

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.



71.3895, 0.3609, 0.3601



71.3895, 0.2666, 0.3140



71.3895, 0.3477, 0.3196

Square

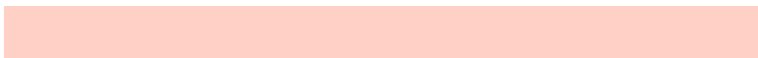
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.3895, 0.2666, 0.3140



71.3895, 0.2993, 0.2897



71.3895, 0.3612, 0.3408



71.3895, 0.3247, 0.3722

Rectangle

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



71.3895, 0.2666, 0.3140



71.3895, 0.2731, 0.2892



71.3895, 0.3612, 0.3408



71.3895, 0.3531, 0.3692

Sweetspot

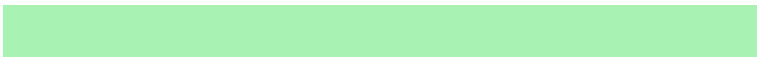
The Sweet Spot groups the original color and five complimentary colors.



71.3923, 0.2666, 0.3140



93.4014, 0.2988, 0.3250



75.7176, 0.3016, 0.4044



19.7746, 0.2965, 0.3244



0.0000, 0.0000, 0.0000



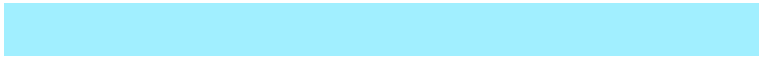
21.4041, 0.3127, 0.3290

Same Dimension

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



71.3923, 0.2666, 0.3140



76.3216, 0.2582, 0.3105



52.9152, 0.2614, 0.2692



18.2422, 0.2980, 0.3248



26.6634, 0.2091, 0.2729



2.4689, 0.2113, 0.2807

Inverse Universe

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



52.7555, 0.3268, 0.2643



52.8422, 0.3303, 0.2513



72.0008, 0.3667, 0.3822



16.7163, 0.3164, 0.3096



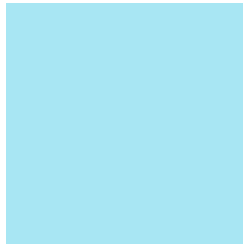
12.7911, 0.3701, 0.1812



1.1369, 0.3628, 0.1773

Previews

White Background



This preview shows how the Yxy color 71.3895, 0.2666, 0.3140 looks on a white background.

Color Contrast Check

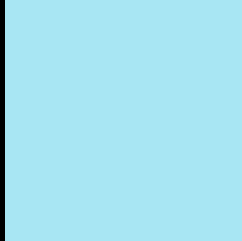
Large Text (above 18pt) WCAG AA × Fail

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 71.3895, 0.2666, 0.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

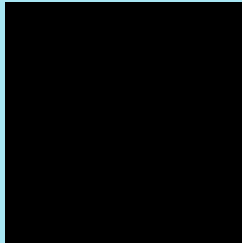
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.3895, 0.2666, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 71.3895, 0.2666, 0.3140.

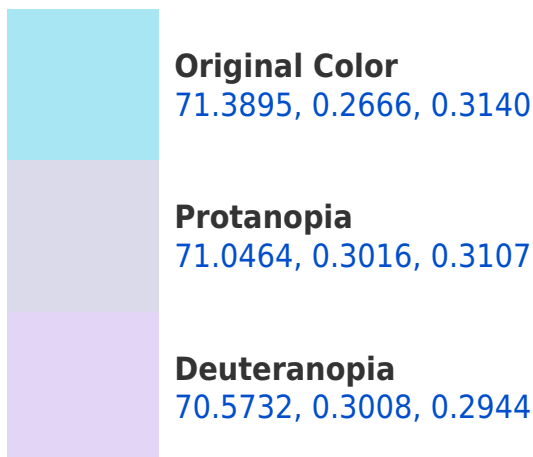


This preview shows how white text looks on a background with the Yxy color 71.3895, 0.2666, 0.3140.

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

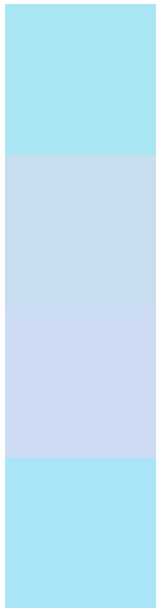




Tritanopia

71.2510, 0.2644, 0.3072

Trichromacy



Original Color

71.3895, 0.2666, 0.3140

Protanomaly

70.6950, 0.2878, 0.3112

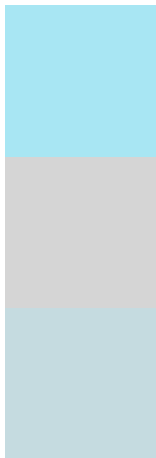
Deuteranomaly

70.3774, 0.2874, 0.3007

Tritanomaly

71.1275, 0.2655, 0.3095

Monochromacy



Original Color

71.3895, 0.2666, 0.3140

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.9152, 0.2942, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3895, 0.2666, 0.3140 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, 230, 243)` looks like.

```
.text, #text, p{  
    color:rgb(168, 230, 243)  
}
```

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, 230, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 230, 243) }
```

Border

The CSS property to change the border of an element to Yxy 71.3895, 0.2666, 0.3140 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, 230, 243) }
```

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

```
.border{ border-color:rgb(168, 230, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 230, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 230, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 230, 243);  
box-shadow:4px 4px 4px 4px rgb(168, 230,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3895, 0.2666, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 230, 243) }
```

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

```
.background{ background-color: rgb(168,  
230, 243) }
```

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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