

Converting Colors

$Yxy(71.0819, 0.2712, 0.3687)$

Have a look what the booklet for
Yxy(71.0819, 0.2712, 0.3687)
contains.

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Color

Yxy(71.0086, 0.2711, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	8AEECE
RGB	138, 238, 206
RGB Percent	54%, 93%, 81%
CMY	0.4587, 0.0667, 0.1922
CMYK	0.42, 0.00, 0.13, 0.07
HSL	161°, 75%, 74%
HSV	161°, 42%, 93%
XYZ	52.1975, 71.0086, 69.3335
YIQ	204.4520, -49.3280, -31.1520

Conversions

Conversions Part 2

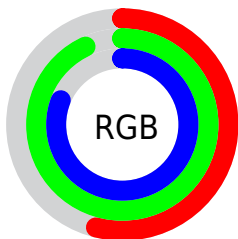
Format	Color
RYB	138, 198, 238
Decimal	9105102
CIELab	87.49, -36.62, 6.37
CIElCh	87, 37.167, 170.139
Yxy	71.0086, 0.2711, 0.3688
Android (android.graphics.Color)	4287295182 (0xFF8AEECE)
YUV	204.4520, 0.7632, -58.2784
Hunter-Lab	84.2666, -36.8978, 10.2035

Details

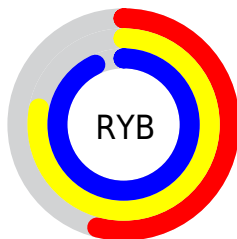
The Yxy color **71.0086, 0.2711, 0.3688** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.2672, 0.3858, 0.2935**, and the grayscale version is **60.7076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **37.4722, 0.2609, 0.3791** is the 20% darker color. If you saturate the color by 10%, you get **68.8369, 0.2639, 0.3803**, and if you desaturate by 10%, it is **73.6488, 0.2797, 0.3580**.

Distribution



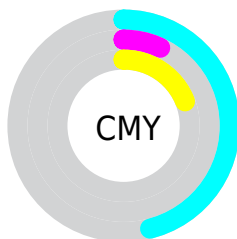
- Red (54%)
- Green (93%)
- Blue (81%)



- Red (54%)
- Yellow (78%)
- Blue (93%)



- Cyan (42%)
- Magenta (0%)
- Yellow (13%)
- Black (7%)



- Cyan (46%)
- Magenta (7%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0086, 0.2711, 0.3688 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 71.0086, 0.2711, 0.3688 by changing the saturation by 10% instead.

 71.0086, 0.2711,
0.3688


 71.0086, 0.2711,
0.3688

464.0835, 0.2906,
0.3498

 52.3492, 0.2666,
0.3733


 120.6460, 0.2779,
0.3621

 37.2835, 0.2610,
0.3789


 152.3927, 0.2806,
0.3595

 25.4271, 0.2538,
0.3861

189.2708, 0.2828,
0.3573

 16.3955, 0.2444,
0.3957

231.6644, 0.2848,
0.3554

 9.8045, 0.2314,
0.4091

279.9582, 0.2865,
0.3538

 5.2695, 0.2126,
0.4293


334.5363, 0.2880,

 2.4062, 0.1827,

0.3523

0.4625


395.7833, 0.2894,
0.3510

 0.8291, 0.0000,
0.6443


 0.0000, 0.0000,
0.0000

 71.0086, 0.2711,
0.3688


 71.0086, 0.2711,
0.3688


 68.8369, 0.2639,
0.3803

 73.6488, 0.2797,
0.3580


 67.0955, 0.2584,
0.3922


 76.7758, 0.2893,
0.3480


 65.7541, 0.2548,
0.4045


 80.4173, 0.2996,
0.3389


 64.7746, 0.2533,
0.4169

 84.5966, 0.3105,
0.3306

 64.1112, 0.2537,
0.4292

 88.9480, 0.3202,
0.3231

 63.7508, 0.2553,
0.4389

 89.4210, 0.3155,
0.3158

 89.6304, 0.3135,
0.3127

Harmonies

Analogous

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



71.0086, 0.3133, 0.4019



71.0086, 0.2711, 0.3688



71.0086, 0.2413, 0.3242

Triad

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



71.0086, 0.2711, 0.3688



71.0086, 0.2656, 0.2567



71.0086, 0.4030, 0.3628

Complementary

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



71.0086, 0.2711, 0.3688



39.2672, 0.3858, 0.2935

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.



71.0086, 0.3891, 0.3265



71.0086, 0.2711, 0.3688



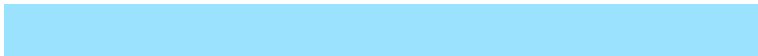
71.0086, 0.3069, 0.2681

Square

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



71.0086, 0.2711, 0.3688



71.0086, 0.2385, 0.2620



71.0086, 0.3528, 0.2929



71.0086, 0.3907, 0.3940

Rectangle

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



71.0086, 0.2711, 0.3688



71.0086, 0.2316, 0.2968



71.0086, 0.3528, 0.2929



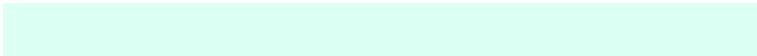
71.0086, 0.4013, 0.3508

Sweetspot

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



71.0115, 0.2711, 0.3688



93.5808, 0.2985, 0.3398



71.6840, 0.3275, 0.4512



19.8199, 0.2962, 0.3417



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.



71.0115, 0.2711, 0.3688



80.9338, 0.2651, 0.3781



63.4717, 0.2521, 0.3085



17.8378, 0.3024, 0.3367



35.5904, 0.2547, 0.4370



2.9788, 0.2503, 0.4210

Inverse Universe

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



39.2672, 0.3858, 0.2935



39.4081, 0.4079, 0.2871



43.3536, 0.4135, 0.3480



15.8423, 0.3243, 0.3215



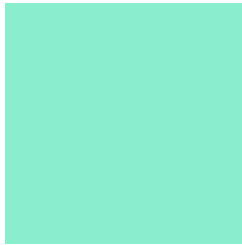
10.4548, 0.5688, 0.2907



0.8872, 0.5317, 0.2703

Previews

White Background



This preview shows how the Yxy color 71.0086, 0.2711, 0.3688 looks on a white background.

Color Contrast Check

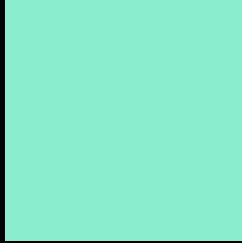
Large Text (above 18pt) WCAG AA × Fail

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 71.0086, 0.2711, 0.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

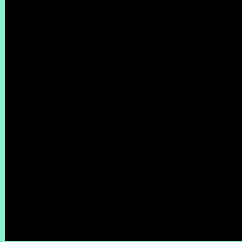
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.0086, 0.2711, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 71.0086, 0.2711, 0.3688.

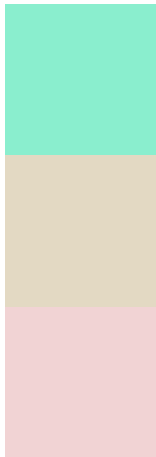


This preview shows how white text looks on a background with the Yxy color 71.0086, 0.2711, 0.3688.

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

71.0086, 0.2711, 0.3688

Protanopia

69.8967, 0.3353, 0.3533

Deuteranopia

70.0428, 0.3346, 0.3280



Tritanopia

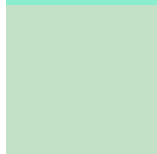
71.0049, 0.2537, 0.3079

Trichromacy



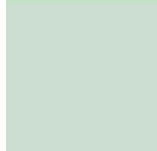
Original Color

71.0086, 0.2711, 0.3688



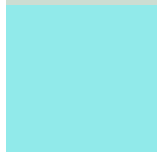
Protanomaly

69.5761, 0.3085, 0.3593



Deuteranomaly

69.2034, 0.3079, 0.3415



Tritanomaly

70.8059, 0.2599, 0.3288

Monochromacy



Original Color

71.0086, 0.2711, 0.3688



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.2228, 0.2945, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0086, 0.2711, 0.3688 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(138, 238, 206)` looks like.

```
.text, #text, p{  
    color:rgb(138, 238, 206)  
}
```

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(138, 238, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 238, 206) }
```

Border

The CSS property to change the border of an element to Yxy 71.0086, 0.2711, 0.3688 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(138, 238, 206) }
```

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

```
.border{ border-color:rgb(138, 238, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 238, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 238, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 238, 206);  
box-shadow:4px 4px 4px 4px rgb(138, 238,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0086, 0.2711, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 238, 206) }
```

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

```
.background{ background-color: rgb(138,  
238, 206) }
```

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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