

Converting Colors

$Yxy(71.1756, 0.2997, 0.3984)$

Have a look what the booklet for
Yxy(71.1756, 0.2997, 0.3984)
contains.

Yxy(71.1787, 0.2994, 0.3980)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.1787, 0.2994, 0.3980)

Conversions

Conversions Part 1

Format	Color
Hex	A4ECB4
RGB	164, 236, 180
RGB Percent	64%, 93%, 71%
CMY	0.3569, 0.0745, 0.2940
CMYK	0.31, 0.00, 0.24, 0.07
HSL	133°, 65%, 78%
HSV	133°, 31%, 93%
XYZ	53.5450, 71.1787, 54.1173
YIQ	208.0880, -24.9360, -32.6800

Conversions

Conversions Part 2

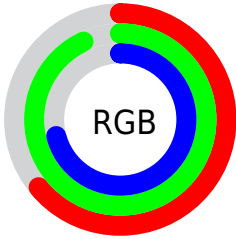
Format	Color
RYB	164, 223, 236
Decimal	10808500
CIELab	87.57, -33.48, 20.15
CIELCh	88, 39.075, 148.962
Yxy	71.1787, 0.2994, 0.3980
Android (android.graphics.Color)	4288998580 (0xFFA4ECB4)
YUV	208.0880, -13.8474, -38.6652
Hunter-Lab	84.3675, -34.3556, 21.0258

Details

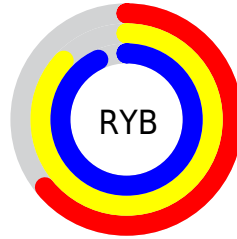
The Yxy color **71.1787, 0.2994, 0.3980** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.5460, 0.3297, 0.2687**, and the grayscale version is **63.2422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7918, 0.3020, 0.3485**, and **37.4898, 0.2954, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **68.2006, 0.2956, 0.4255**, and if you desaturate by 10%, it is **74.7275, 0.3036, 0.3728**.

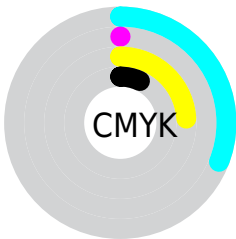
Distribution



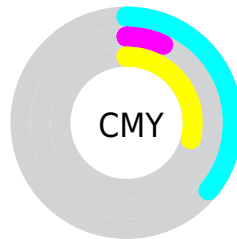
- Red (64%)
- Green (93%)
- Blue (71%)



- Red (64%)
- Yellow (87%)
- Blue (93%)



- Cyan (31%)
- Magenta (0%)
- Yellow (24%)
- Black (7%)





- Cyan (36%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.1787, 0.2994, 0.3980 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 71.1787, 0.2994, 0.3980 by changing the saturation by 10% instead.


 71.1787, 0.2994,
0.3980

 71.1787, 0.2994,
0.3980


464.6779, 0.3063,
0.3644

 52.4880, 0.2976,
0.4061

 120.8881, 0.3020,
0.3860

 37.3942, 0.2953,
0.4163


 152.6757, 0.3029,
0.3815

 25.5129, 0.2921,
0.4295


189.5977, 0.3037,
0.3776

 16.4596, 0.2877,
0.4474

232.0385, 0.3044,
0.3742

 9.8499, 0.2810,
0.4729

280.3825, 0.3050,
0.3713

 5.2996, 0.2699,
0.5117

335.0142, 0.3055,

 2.4241, 0.2503,

0.3687

0.5799

396.3178, 0.3060,
0.3665

0.8382, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.1787, 0.2994,
0.3980

71.1787, 0.2994,
0.3980

68.2006, 0.2956,
0.4255

74.7275, 0.3036,
0.3728

65.7547, 0.2924,
0.4546

78.8657, 0.3081,
0.3501

63.8114, 0.2902,
0.4843

83.6217, 0.3125,
0.3300

62.3349, 0.2892,
0.5132

88.3708, 0.3146,
0.3122

■ 61.2840, 0.2896,
0.5396

■ 88.4732, 0.3136,
0.3107

■ 60.6104, 0.2914,
0.5618

■ 60.2466, 0.2939,
0.5781

Harmonies

Analogous

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



71.1787, 0.3463, 0.4149



71.1787, 0.2994, 0.3980



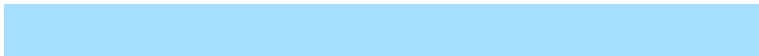
71.1787, 0.2581, 0.3574

Triad

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



71.1787, 0.2994, 0.3980



71.1787, 0.2415, 0.2553



71.1787, 0.4001, 0.3374

Complementary

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



71.1787, 0.2994, 0.3980



49.5460, 0.3297, 0.2687

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.



71.1787, 0.3677, 0.3008



71.1787, 0.2994, 0.3980



71.1787, 0.2748, 0.2552

Square

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



71.1787, 0.2994, 0.3980



71.1787, 0.2267, 0.2739



71.1787, 0.3207, 0.2716



71.1787, 0.4065, 0.3747

Rectangle

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



71.1787, 0.2994, 0.3980



71.1787, 0.2388, 0.3256



71.1787, 0.3207, 0.2716



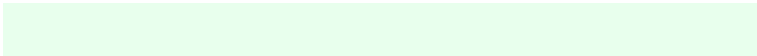
71.1787, 0.3918, 0.3248

Sweetspot

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



71.1817, 0.2994, 0.3980



94.8082, 0.3087, 0.3469



77.9515, 0.3474, 0.4082



20.1255, 0.3081, 0.3500



0.0000, 0.0000, 0.0000



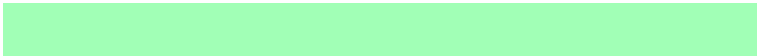
21.4041, 0.3127, 0.3290

Same Dimension

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



71.1817, 0.2994, 0.3980



82.4249, 0.2968, 0.4160



72.8220, 0.2796, 0.3532



16.9171, 0.3085, 0.3478



33.2237, 0.2933, 0.5757



2.6230, 0.2862, 0.5502

Inverse Universe

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



49.5460, 0.3297, 0.2687



52.5665, 0.3344, 0.2556



47.8584, 0.3620, 0.3063



15.2530, 0.3172, 0.3109



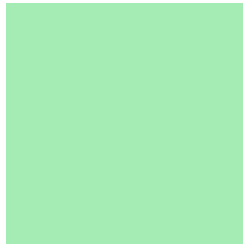
11.7439, 0.3867, 0.1904



0.9363, 0.3757, 0.1843

Previews

White Background



This preview shows how the Yxy color 71.1787, 0.2994, 0.3980 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 71.1787, 0.2994, 0.3980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

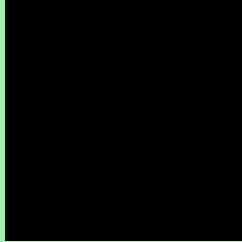
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.1787, 0.2994, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 71.1787, 0.2994, 0.3980.



This preview shows how white text looks on a background with the Yxy color 71.1787, 0.2994, 0.3980.

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

71.1787, 0.2994, 0.3980

Protanopia

70.4450, 0.3561, 0.3793

Deuteranopia

70.1052, 0.3627, 0.3552



Tritanopia

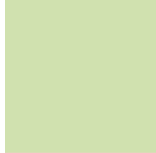
70.8779, 0.2702, 0.3085

Trichromacy



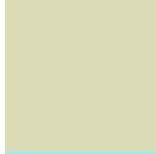
Original Color

71.1787, 0.2994, 0.3980



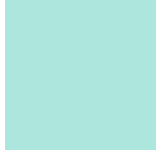
Protanomaly

70.3555, 0.3334, 0.3866



Deuteranomaly

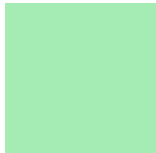
69.1420, 0.3373, 0.3696



Tritanomaly

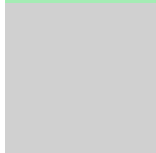
70.5847, 0.2807, 0.3395

Monochromacy



Original Color

71.1787, 0.2994, 0.3980



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.4265, 0.3073, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1787, 0.2994, 0.3980 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(164, 236, 180)` looks like.

```
.text, #text, p{  
    color:rgb(164, 236, 180)  
}
```

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(164, 236, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 236, 180) }
```

Border

The CSS property to change the border of an element to Yxy 71.1787, 0.2994, 0.3980 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(164, 236, 180) }
```

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

```
.border{ border-color:rgb(164, 236, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 236, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 236, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 236, 180);  
box-shadow:4px 4px 4px 4px rgb(164, 236,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1787, 0.2994, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 236, 180) }
```

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

```
.background{ background-color: rgb(164,  
236, 180) }
```

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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