

Converting Colors

$Yxy(70.5817, 0.2937, 0.4069)$

Have a look what the booklet for
Yxy(70.5817, 0.2937, 0.4069)
contains.

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Color

Yxy(70.7677, 0.2934, 0.4072)

Conversions

Conversions Part 1

Format	Color
Hex	96EEB0
RGB	150, 238, 176
RGB Percent	59%, 93%, 69%
CMY	0.4117, 0.0667, 0.3099
CMYK	0.37, 0.00, 0.26, 0.07
HSL	138°, 72%, 76%
HSV	138°, 37%, 93%
XYZ	50.9903, 70.7677, 52.0330
YIQ	204.6200, -32.5460, -37.9380

Conversions

Conversions Part 2

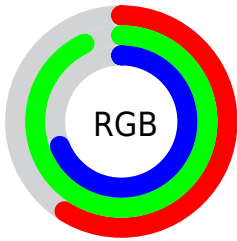
Format	Color
RYB	150, 218, 238
Decimal	9891504
CIELab	87.37, -39.29, 21.86
CIELCh	87, 44.968, 150.908
Yxy	70.7677, 0.2934, 0.4072
Android (android.graphics.Color)	4288081584 (0xFF96EEB0)
YUV	204.6200, -14.1097, -47.9017
Hunter-Lab	84.1235, -39.0210, 22.2138

Details

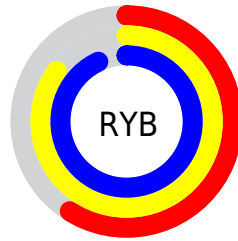
The Yxy color **70.7677, 0.2934, 0.4072** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.7554, 0.3401, 0.2622**, and the grayscale version is **60.9072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6116, 0.2965, 0.3533**, and **37.3189, 0.2877, 0.4291** is the 20% darker color. If you saturate the color by 10%, you get **68.1133, 0.2893, 0.4332**, and if you desaturate by 10%, it is **73.9687, 0.2982, 0.3830**.

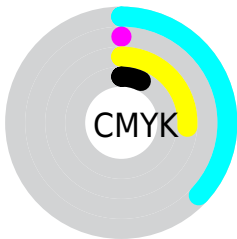
Distribution



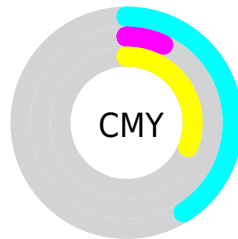
- Red (59%)
- Green (93%)
- Blue (69%)



- Red (59%)
- Yellow (85%)
- Blue (93%)



- Cyan (37%)
- Magenta (0%)
- Yellow (26%)
- Black (7%)





- Cyan (41%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7677, 0.2934, 0.4072 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 70.7677, 0.2934, 0.4072 by changing the saturation by 10% instead.

 70.7677, 0.2934,
0.4072


 70.7677, 0.2934,
0.4072

463.2410, 0.3034,
0.3689

 52.1526, 0.2909,
0.4165


 120.3029, 0.2971,
0.3935

 37.1268, 0.2876,
0.4282


 151.9918, 0.2984,
0.3883

 25.3057, 0.2831,
0.4435


188.8075, 0.2996,
0.3839

 16.3049, 0.2769,
0.4643

231.1343, 0.3006,
0.3800

 9.7402, 0.2677,
0.4940

279.3567, 0.3014,
0.3767

 5.2270, 0.2526,
0.5393


333.8590, 0.3021,

 2.3811, 0.2277,

0.3738

0.6241


395.0256, 0.3028,
0.3712


 0.8161, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.7677, 0.2934,
0.4072


 70.7677, 0.2934,
0.4072


 68.1133, 0.2893,
0.4332


 73.9687, 0.2982,
0.3830


 65.9656, 0.2862,
0.4603

 77.7357, 0.3035,
0.3610

 64.2936, 0.2845,
0.4876

 82.0982, 0.3089,
0.3414

 63.0586, 0.2844,
0.5139

 87.0809, 0.3144,
0.3239

■ 62.2160, 0.2859,
0.5377

■ 89.6303, 0.3135,
0.3127

■ 61.7090, 0.2889,
0.5580

■ 61.5950, 0.2898,
0.5634

Harmonies

Analogous

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



70.7677, 0.3471, 0.4285



70.7677, 0.2934, 0.4072



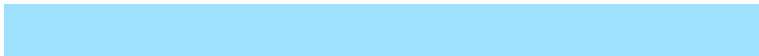
70.7677, 0.2474, 0.3581

Triad

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



70.7677, 0.2934, 0.4072



70.7677, 0.2333, 0.2443



70.7677, 0.4151, 0.3404

Complementary

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



70.7677, 0.2934, 0.4072



44.7554, 0.3401, 0.2622

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.



70.7677, 0.3792, 0.2990



70.7677, 0.2934, 0.4072



70.7677, 0.2720, 0.2459

Square

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



70.7677, 0.2934, 0.4072



70.7677, 0.2153, 0.2634



70.7677, 0.3253, 0.2656



70.7677, 0.4199, 0.3827

Rectangle

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



70.7677, 0.2934, 0.4072



70.7677, 0.2266, 0.3209



70.7677, 0.3253, 0.2656



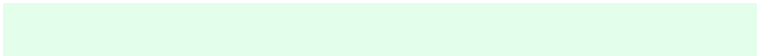
70.7677, 0.4062, 0.3262

Sweetspot

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



70.7706, 0.2934, 0.4072



93.8538, 0.3067, 0.3491



77.5107, 0.3500, 0.4270



19.9395, 0.3059, 0.3518



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.



70.7706, 0.2934, 0.4072



80.4722, 0.2903, 0.4258



72.7483, 0.2705, 0.3519



17.7331, 0.3075, 0.3461



34.3828, 0.2891, 0.5607



2.8771, 0.2819, 0.5347

Inverse Universe

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



44.7554, 0.3401, 0.2622



46.1138, 0.3473, 0.2494



42.8671, 0.3831, 0.3078



15.9473, 0.3183, 0.3125



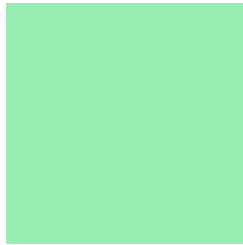
11.7379, 0.4127, 0.2047



0.9938, 0.3977, 0.1964

Previews

White Background



This preview shows how the Yxy color 70.7677, 0.2934, 0.4072 looks on a white background.

Color Contrast Check

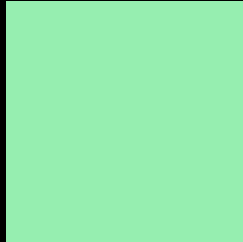
Large Text (above 18pt) WCAG AA × Fail

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 70.7677, 0.2934, 0.4072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

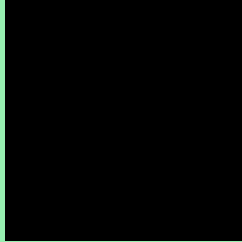
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7677, 0.2934, 0.4072

Background



This preview shows how black text looks on a background with the Yxy color 70.7677, 0.2934, 0.4072.

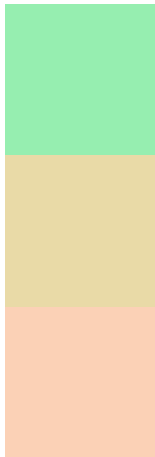


This preview shows how white text looks on a background with the Yxy color 70.7677, 0.2934, 0.4072.

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

70.7677, 0.2934, 0.4072

Protanopia

70.2565, 0.3596, 0.3848

Deuteranopia

69.4876, 0.3653, 0.3574



Tritanopia

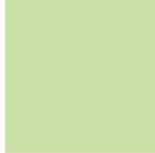
70.7534, 0.2628, 0.3082

Trichromacy



Original Color

70.7677, 0.2934, 0.4072



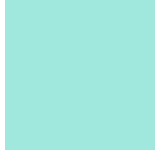
Protanomaly

69.4492, 0.3330, 0.3933



Deuteranomaly

68.7778, 0.3354, 0.3747



Tritanomaly

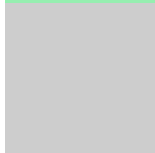
70.4073, 0.2740, 0.3421

Monochromacy



Original Color

70.7677, 0.2934, 0.4072



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.8350, 0.3050, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7677, 0.2934, 0.4072 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(150, 238, 176)` looks like.

```
.text, #text, p{  
    color:rgb(150, 238, 176)  
}
```

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(150, 238, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 238, 176) }
```

Border

The CSS property to change the border of an element to Yxy 70.7677, 0.2934, 0.4072 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(150, 238, 176) }
```

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

```
.border{ border-color:rgb(150, 238, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 238, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 238, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 238, 176);  
box-shadow:4px 4px 4px 4px rgb(150, 238,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7677, 0.2934, 0.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 238, 176) }
```

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

```
.background{ background-color: rgb(150,  
238, 176) }
```

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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