

Converting Colors

$Yxy(70.8902, 0.3010, 0.4196)$

Have a look what the booklet for
Yxy(70.8902, 0.3010, 0.4196)
contains.

Yxy(70.7723, 0.3012, 0.4197)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.7723, 0.3012, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	9AEEA6
RGB	154, 238, 166
RGB Percent	60%, 93%, 65%
CMY	0.3959, 0.0667, 0.3490
CMYK	0.35, 0.00, 0.30, 0.07
HSL	129°, 71%, 77%
HSV	129°, 35%, 93%
XYZ	50.7901, 70.7723, 47.0635
YIQ	204.6760, -26.9520, -40.2000

Conversions

Conversions Part 2

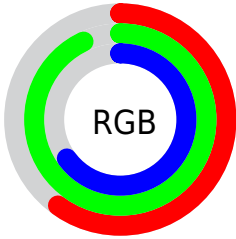
Format	Color
RYB	154, 228, 238
Decimal	10153638
CIELab	87.37, -39.84, 27.01
CIElCh	87, 48.132, 145.859
Yxy	70.7723, 0.3012, 0.4197
Android (android.graphics.Color)	4288343718 (0xFF9AEEA6)
YUV	204.6760, -19.0673, -44.4429
Hunter-Lab	84.1263, -39.4540, 25.7193

Details

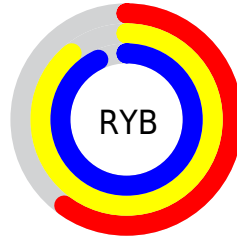
The Yxy color **70.7723, 0.3012, 0.4197** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.7942, 0.3270, 0.2527**, and the grayscale version is **60.9774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5893, 0.3049, 0.3650**, and **37.3235, 0.2964, 0.4441** is the 20% darker color. If you saturate the color by 10%, you get **67.9756, 0.2984, 0.4510**, and if you desaturate by 10%, it is **74.1568, 0.3044, 0.3905**.

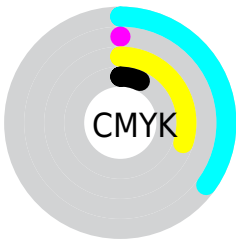
Distribution



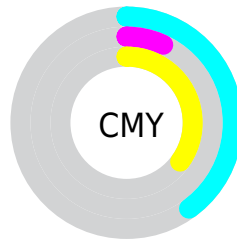
- Red (60%)
- Green (93%)
- Blue (65%)



- Red (60%)
- Yellow (89%)
- Blue (93%)



- Cyan (35%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)



- Cyan (40%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7723, 0.3012, 0.4197 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 70.7723, 0.3012, 0.4197 by changing the saturation by 10% instead.

 70.7723, 0.3012,
0.4197


 70.7723, 0.3012,
0.4197

463.2571, 0.3078,
0.3751

 52.1564, 0.2993,
0.4305

 120.3095, 0.3038,
0.4037

 37.1298, 0.2968,
0.4442


 151.9995, 0.3047,
0.3977

 25.3080, 0.2932,
0.4620


188.8164, 0.3055,
0.3925

 16.3067, 0.2880,
0.4862

231.1445, 0.3061,
0.3881

 9.7414, 0.2797,
0.5205

279.3682, 0.3066,
0.3842

 5.2278, 0.2651,
0.5724


333.8719, 0.3071,

 2.3816, 0.2485,

0.3808

0.6917

395.0401, 0.3075,
0.3778


 0.8164, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.7723, 0.3012,
0.4197


 70.7723, 0.3012,
0.4197


 67.9756, 0.2984,
0.4510


 74.1568, 0.3044,
0.3905


 65.7246, 0.2961,
0.4831

 78.1505, 0.3077,
0.3639

 63.9860, 0.2947,
0.5145

 82.7849, 0.3110,
0.3403

 62.7187, 0.2943,
0.5431

 88.0864, 0.3142,
0.3196

■ 61.8756, 0.2949,
0.5668

■ 89.6276, 0.3135,
0.3127

■ 61.3991, 0.2965,
0.5841

■ 61.2627, 0.2972,
0.5900

Harmonies

Analogous

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



70.7723, 0.3584, 0.4358



70.7723, 0.3012, 0.4197



70.7723, 0.2499, 0.3702

Triad

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



70.7723, 0.3012, 0.4197



70.7723, 0.2234, 0.2407



70.7723, 0.4181, 0.3330

Complementary

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



70.7723, 0.3012, 0.4197



46.7942, 0.3270, 0.2527

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.



70.7723, 0.3749, 0.2902



70.7723, 0.3012, 0.4197



70.7723, 0.2609, 0.2391

Square

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



70.7723, 0.3012, 0.4197



70.7723, 0.2083, 0.2644



70.7723, 0.3158, 0.2570



70.7723, 0.4289, 0.3782

Rectangle

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



70.7723, 0.3012, 0.4197



70.7723, 0.2256, 0.3298



70.7723, 0.3158, 0.2570



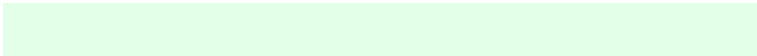
70.7723, 0.4067, 0.3181

Sweetspot

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



70.7753, 0.3012, 0.4197



93.6094, 0.3091, 0.3536



79.7811, 0.3576, 0.4194



19.8816, 0.3086, 0.3568



0.0000, 0.0000, 0.0000



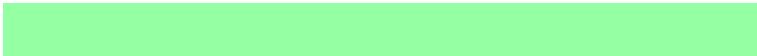
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7753, 0.3012, 0.4197



80.4569, 0.2992, 0.4411



72.5372, 0.2788, 0.3664



17.6931, 0.3096, 0.3499



34.1904, 0.2968, 0.5883



2.8556, 0.2913, 0.5686

Inverse Universe

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



46.7942, 0.3270, 0.2527



48.6838, 0.3305, 0.2383



44.7970, 0.3658, 0.2950



15.9904, 0.3160, 0.3090



12.5899, 0.3605, 0.1760



1.0579, 0.3545, 0.1727

Previews

White Background



This preview shows how the Yxy color 70.7723, 0.3012, 0.4197 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 70.7723, 0.3012, 0.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

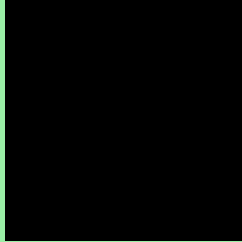
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7723, 0.3012, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 70.7723, 0.3012, 0.4197.



This preview shows how white text looks on a background with the Yxy color 70.7723, 0.3012, 0.4197.

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

70.7723, 0.3012, 0.4197

Protanopia

70.0696, 0.3674, 0.3955

Deuteranopia

69.6503, 0.3753, 0.3676



Tritanopia

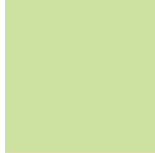
70.6867, 0.2659, 0.3083

Trichromacy



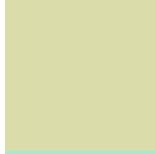
Original Color

70.7723, 0.3012, 0.4197



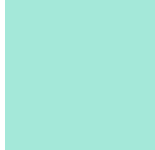
Protanomaly

69.3676, 0.3410, 0.4048



Deuteranomaly

68.9941, 0.3453, 0.3858



Tritanomaly

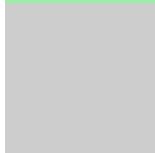
70.6155, 0.2785, 0.3468

Monochromacy



Original Color

70.7723, 0.3012, 0.4197



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.8264, 0.3077, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7723, 0.3012, 0.4197 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(154, 238, 166)` looks like.

```
.text, #text, p{  
    color:rgb(154, 238, 166)  
}
```

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(154, 238, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 238, 166) }
```

Border

The CSS property to change the border of an element to Yxy 70.7723, 0.3012, 0.4197 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(154, 238, 166) }
```

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

```
.border{ border-color:rgb(154, 238, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 238, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 238, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 238, 166); box-shadow:4px 4px 4px 4px rgb(154, 238, 166) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 70.7723, 0.3012, 0.4197$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 238, 166) }
```

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

```
.background{ background-color: rgb(154,  
238, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor