

Converting Colors

Yxy(71.1696, 0.3021, 0.4146)

Have a look what the booklet for
Yxy(71.1696, 0.3021, 0.4146)
contains.

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Color

Yxy(71.2827, 0.3019, 0.4152)

Conversions

Conversions Part 1

Format	Color
Hex	9EEEA9
RGB	158, 238, 169
RGB Percent	62%, 93%, 66%
CMY	0.3806, 0.0666, 0.3372
CMYK	0.34, 0.00, 0.29, 0.07
HSL	128°, 70%, 78%
HSV	128°, 34%, 93%
XYZ	51.8310, 71.2827, 48.5691
YIQ	206.2140, -25.5310, -38.4190

Conversions

Conversions Part 2

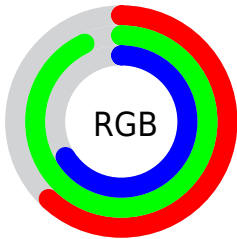
Format	Color
RYB	158, 228, 238
Decimal	10415785
CIELab	87.62, -38.15, 25.84
CIElCh	88, 46.082, 145.885
Yxy	71.2827, 0.3019, 0.4152
Android (android.graphics.Color)	4288605865 (0xFF9EEEA9)
YUV	206.2140, -18.3465, -42.2837
Hunter-Lab	84.4291, -38.1697, 24.9929

Details

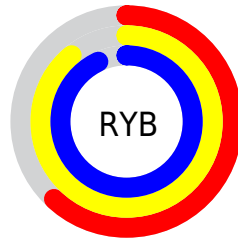
The Yxy color **71.2827, 0.3019, 0.4152** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.1621, 0.3259, 0.2559**, and the grayscale version is **61.9941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4033, 0.3051, 0.3605**, and **37.6004, 0.2979, 0.4397** is the 20% darker color. If you saturate the color by 10%, you get **68.3910, 0.2990, 0.4464**, and if you desaturate by 10%, it is **74.7686, 0.3051, 0.3862**.

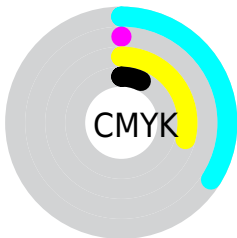
Distribution



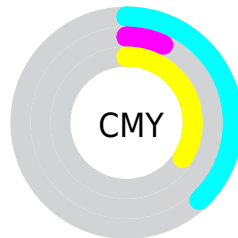
- Red (62%)
- Green (93%)
- Blue (66%)



- Red (62%)
- Yellow (89%)
- Blue (93%)



- Cyan (34%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)




- Cyan (38%)
- Magenta (7%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2827, 0.3019, 0.4152 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 71.2827, 0.3019, 0.4152 by changing the saturation by 10% instead.


 71.2827, 0.3019,
0.4152

 71.2827, 0.3019,
0.4152


465.0411, 0.3081,
0.3730

 52.5729, 0.3002,
0.4254


 121.0362, 0.3043,
0.4001

 37.4620, 0.2978,
0.4383


 152.8487, 0.3052,
0.3944

 25.5654, 0.2946,
0.4551


189.7975, 0.3059,
0.3895

 16.4988, 0.2898,
0.4779

232.2671, 0.3065,
0.3853

 9.8778, 0.2822,
0.5101

280.6419, 0.3070,
0.3816

 5.3180, 0.2690,
0.5589


335.3062, 0.3074,

 2.4350, 0.2517,


0.3784

0.6621


396.6445, 0.3078,
0.3755


 0.8438, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.2827, 0.3019,
0.4152


 71.2827, 0.3019,
0.4152

 68.3910, 0.2990,
0.4464


 74.7686, 0.3051,
0.3862


 66.0518, 0.2967,
0.4786

 78.8699, 0.3083,
0.3600

 64.2321, 0.2951,
0.5104

 83.6177, 0.3116,
0.3367

 62.8919, 0.2945,
0.5396

 89.0384, 0.3147,
0.3164

■ 61.9848, 0.2950,
0.5641

■ 89.6358, 0.3135,
0.3127

■ 61.4553, 0.2963,
0.5824

■ 61.2648, 0.2974,
0.5905

Harmonies

Analogous

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



71.2827, 0.3567, 0.4309



71.2827, 0.3019, 0.4152



71.2827, 0.2527, 0.3682

Triad

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



71.2827, 0.3019, 0.4152



71.2827, 0.2271, 0.2443



71.2827, 0.4133, 0.3332

Complementary

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



71.2827, 0.3019, 0.4152



48.1621, 0.3259, 0.2559

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.



71.2827, 0.3722, 0.2919



71.2827, 0.3019, 0.4152



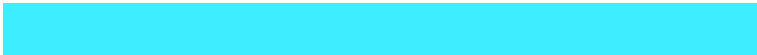
71.2827, 0.2632, 0.2427

Square

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



71.2827, 0.3019, 0.4152



71.2827, 0.2125, 0.2673



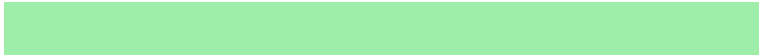
71.2827, 0.3158, 0.2598



71.2827, 0.4238, 0.3767

Rectangle

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



71.2827, 0.3019, 0.4152



71.2827, 0.2292, 0.3299



71.2827, 0.3158, 0.2598



71.2827, 0.4025, 0.3188

Sweetspot

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



71.2857, 0.3019, 0.4152



94.1448, 0.3095, 0.3513



80.0088, 0.3556, 0.4152



19.9881, 0.3090, 0.3547



0.0000, 0.0000, 0.0000



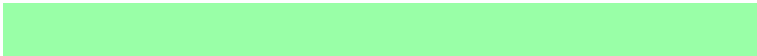
21.4041, 0.3127, 0.3290

Same Dimension

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



71.2857, 0.3019, 0.4152



81.0855, 0.3000, 0.4353



73.0071, 0.2802, 0.3643



17.6919, 0.3097, 0.3500



34.1868, 0.2969, 0.5889



2.8550, 0.2915, 0.5695

Inverse Universe

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



48.1621, 0.3259, 0.2559



50.3881, 0.3291, 0.2421



46.2197, 0.3625, 0.2966



15.9917, 0.3159, 0.3089



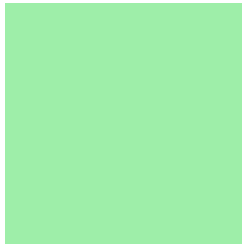
12.6180, 0.3592, 0.1752



1.0600, 0.3534, 0.1720

Previews

White Background



This preview shows how the Yxy color 71.2827, 0.3019, 0.4152 looks on a white background.

Color Contrast Check

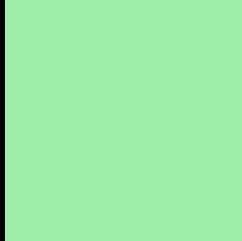
Large Text (above 18pt) WCAG AA × Fail

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 71.2827, 0.3019, 0.4152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

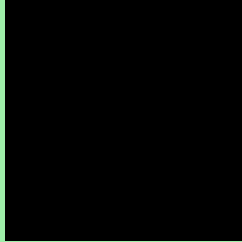
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.2827, 0.3019, 0.4152

Background



This preview shows how black text looks on a background with the Yxy color 71.2827, 0.3019, 0.4152.

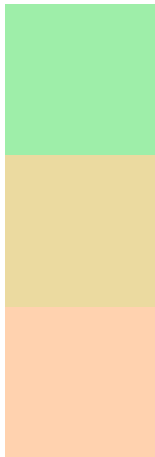


This preview shows how white text looks on a background with the Yxy color 71.2827, 0.3019, 0.4152.

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

71.2827, 0.3019, 0.4152

Protanopia

70.3430, 0.3661, 0.3921

Deuteranopia

70.4483, 0.3735, 0.3653



Tritanopia

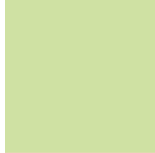
71.0249, 0.2675, 0.3084

Trichromacy



Original Color

71.2827, 0.3019, 0.4152



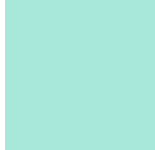
Protanomaly

69.7602, 0.3406, 0.4009



Deuteranomaly

69.4192, 0.3448, 0.3820



Tritanomaly

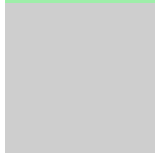
71.1000, 0.2802, 0.3455

Monochromacy



Original Color

71.2827, 0.3019, 0.4152



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.8119, 0.3085, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2827, 0.3019, 0.4152 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(158, 238, 169)` looks like.

```
.text, #text, p{  
    color:rgb(158, 238, 169)  
}
```

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(158, 238, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 238, 169) }
```

Border

The CSS property to change the border of an element to Yxy 71.2827, 0.3019, 0.4152 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(158, 238, 169) }
```

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

```
.border{ border-color:rgb(158, 238, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 238, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 238, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 238, 169);  
box-shadow:4px 4px 4px 4px rgb(158, 238,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2827, 0.3019, 0.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 238, 169) }
```

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

```
.background{ background-color: rgb(158,  
238, 169) }
```

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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