

Converting Colors

$Yxy(72.0088, 0.3213, 0.4655)$

Have a look what the booklet for
Yxy(72.0088, 0.3213, 0.4655)
contains.

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Color

Yxy(71.7446, 0.3209, 0.4649)

Conversions

Conversions Part 1

Format	Color
Hex	9DF184
RGB	157, 241, 132
RGB Percent	62%, 95%, 52%
CMY	0.3843, 0.0549, 0.4825
CMYK	0.35, 0.00, 0.45, 0.05
HSL	106°, 80%, 73%
HSV	106°, 45%, 95%
XYZ	49.5221, 71.7446, 33.0559
YIQ	203.4580, -15.0750, -51.7070

Conversions

Conversions Part 2

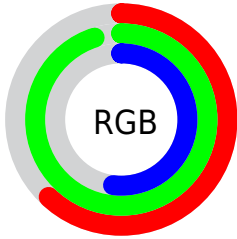
Format	Color
RYB	132, 241, 216
Decimal	10350980
CIELab	87.85, -45.27, 44.63
CIELCh	88, 63.569, 135.413
Yxy	71.7446, 0.3209, 0.4649
Android (android.graphics.Color)	4288541060 (0xFF9DF184)
YUV	203.4580, -35.2288, -40.7437
Hunter-Lab	84.7022, -43.8667, 36.1530

Details

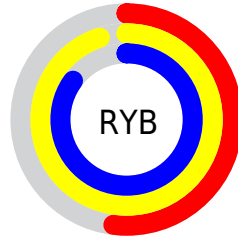
The Yxy color **71.7446, 0.3209, 0.4649** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.4419, 0.2953, 0.2109**, and the grayscale version is **60.2562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4040, 0.3259, 0.4021**, and **37.6269, 0.3187, 0.5005** is the 20% darker color. If you saturate the color by 10%, you get **69.4345, 0.3209, 0.4983**, and if you desaturate by 10%, it is **74.4971, 0.3200, 0.4313**.

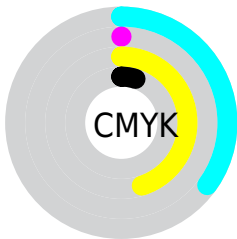
Distribution



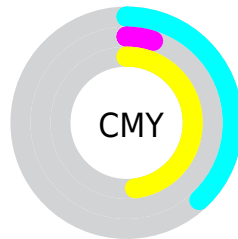
- Red (62%)
- Green (95%)
- Blue (52%)



- Red (52%)
- Yellow (95%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (45%)
- Black (5%)



- Cyan (38%)
- Magenta (5%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7446, 0.3209, 0.4649 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 71.7446, 0.3209, 0.4649 by changing the saturation by 10% instead.


 71.7446, 0.3209,
0.4649


 71.7446, 0.3209,
0.4649

466.6522, 0.3201,
0.3980

 52.9501, 0.3202,
0.4809


 121.6933, 0.3213,
0.4410

 37.7629, 0.3187,
0.5010


 153.6164, 0.3213,
0.4319

 25.7987, 0.3160,
0.5268


 190.6843, 0.3211,
0.4242

 16.6731, 0.3109,
0.5608

233.2816, 0.3210,
0.4175

 10.0017, 0.3008,
0.6067

281.7927, 0.3207,
0.4117

 5.4001, 0.2859,
0.6841

336.6018, 0.3205,

 2.4839, 0.2372,

0.4066

0.7628

398.0935, 0.3203,
0.4020

0.8685, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.7446, 0.3209,
0.4649

71.7446, 0.3209,
0.4649

69.4345, 0.3209,
0.4983

74.4971, 0.3200,
0.4313

67.5342, 0.3197,
0.5295

77.7043, 0.3184,
0.3991


66.0210, 0.3174,
0.5563

81.3894, 0.3163,
0.3692


64.8659, 0.3140,
0.5767

85.5714, 0.3140,
0.3420

 64.0352, 0.3098,
0.5897

 90.2681, 0.3115,
0.3179

 63.7361, 0.3079,
0.5937

 91.3950, 0.3133,
0.3156

Harmonies

Analogous

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



71.7446, 0.3927, 0.4637



71.7446, 0.3209, 0.4649



71.7446, 0.2508, 0.4112

Triad

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



71.7446, 0.3209, 0.4649



71.7446, 0.1896, 0.2226



71.7446, 0.4357, 0.3120

Complementary

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



71.7446, 0.3209, 0.4649



37.4419, 0.2953, 0.2109

Split Complementary

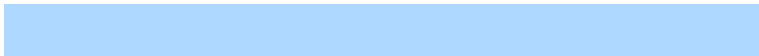
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.7446, 0.3674, 0.2627



71.7446, 0.3209, 0.4649



71.7446, 0.2262, 0.2130

Square

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



71.7446, 0.3209, 0.4649



71.7446, 0.1809, 0.2608



71.7446, 0.2890, 0.2277



71.7446, 0.4650, 0.3679

Rectangle

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



71.7446, 0.3209, 0.4649



71.7446, 0.2146, 0.3567



71.7446, 0.2890, 0.2277



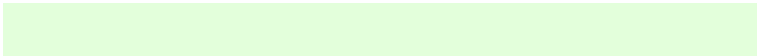
71.7446, 0.4161, 0.2944

Sweetspot

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



71.7477, 0.3209, 0.4649



93.0615, 0.3161, 0.3658



69.2565, 0.3911, 0.4174



19.7117, 0.3166, 0.3719



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.



71.7477, 0.3209, 0.4649



79.1919, 0.3209, 0.4948



70.3929, 0.2915, 0.4328



17.8314, 0.3150, 0.3532



34.6102, 0.3087, 0.5931



2.9227, 0.3175, 0.5861

Inverse Universe

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



37.4419, 0.2953, 0.2109



35.7637, 0.2904, 0.1889



39.9464, 0.3453, 0.2446



15.8379, 0.3101, 0.3055



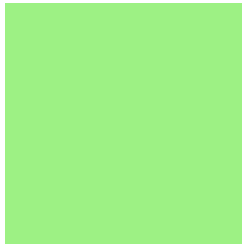
9.1473, 0.2634, 0.1225



0.8050, 0.2714, 0.1269

Previews

White Background



This preview shows how the Yxy color 71.7446, 0.3209, 0.4649 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 71.7446, 0.3209, 0.4649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

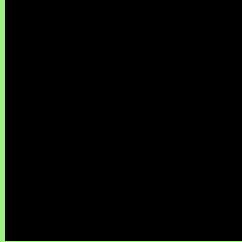
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7446, 0.3209, 0.4649

Background



This preview shows how black text looks on a background with the Yxy color 71.7446, 0.3209, 0.4649.

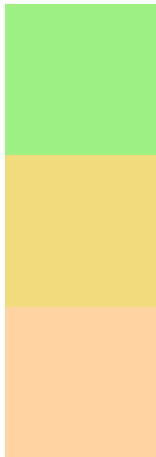


This preview shows how white text looks on a background with the Yxy color 71.7446, 0.3209, 0.4649.

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

71.7446, 0.3209, 0.4649

Protanopia

70.8190, 0.3946, 0.4283

Deuteranopia

70.9556, 0.3826, 0.3807



Tritanopia

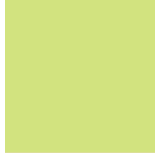
71.4877, 0.2698, 0.3085

Trichromacy



Original Color

71.7446, 0.3209, 0.4649



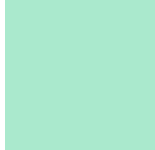
Protanomaly

70.1721, 0.3649, 0.4424



Deuteranomaly

70.0698, 0.3582, 0.4102



Tritanomaly

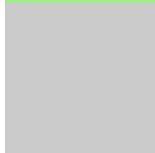
71.2317, 0.2888, 0.3625

Monochromacy



Original Color

71.7446, 0.3209, 0.4649



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

63.2391, 0.3169, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7446, 0.3209, 0.4649 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(157, 241, 132)` looks like.

```
.text, #text, p{  
    color:rgb(157, 241, 132)  
}
```

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(157, 241, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 241, 132) }
```

Border

The CSS property to change the border of an element to Yxy 71.7446, 0.3209, 0.4649 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(157, 241, 132) }
```

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

```
.border{ border-color:rgb(157, 241, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 241, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 241, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 241, 132); box-shadow:4px 4px 4px 4px rgb(157, 241, 132) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7446, 0.3209, 0.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 241, 132) }
```

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

```
.background{ background-color: rgb(157,  
241, 132) }
```

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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