

Converting Colors

$Yxy(72.6432, 0.3103, 0.4384)$

Have a look what the booklet for
Yxy(72.6432, 0.3103, 0.4384)
contains.

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Color

Yxy(72.4796, 0.3106, 0.4387)

Conversions

Conversions Part 1

Format	Color
Hex	9EF199
RGB	158, 241, 153
RGB Percent	62%, 95%, 60%
CMY	0.3801, 0.0549, 0.4000
CMYK	0.34, 0.00, 0.37, 0.05
HSL	117°, 76%, 77%
HSV	117°, 37%, 95%
XYZ	51.3156, 72.4796, 41.4193
YIQ	206.1510, -21.2200, -44.9640

Conversions

Conversions Part 2

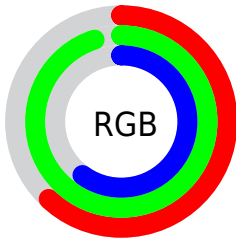
Format	Color
RYB	153, 241, 236
Decimal	10416537
CIELab	88.20, -42.00, 34.74
CIElCh	88, 54.502, 140.403
Yxy	72.4796, 0.3106, 0.4387
Android (android.graphics.Color)	4288606617 (0xFF9EF199)
YUV	206.1510, -26.2034, -42.2284
Hunter-Lab	85.1350, -41.3942, 30.7491

Details

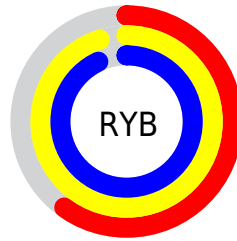
The Yxy color **72.4796, 0.3106, 0.4387** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.9499, 0.3126, 0.2374**, and the grayscale version is **62.0154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5211, 0.3147, 0.3789**, and **38.1041, 0.3076, 0.4674** is the 20% darker color. If you saturate the color by 10%, you get **69.6698, 0.3094, 0.4742**, and if you desaturate by 10%, it is **75.8819, 0.3115, 0.4047**.

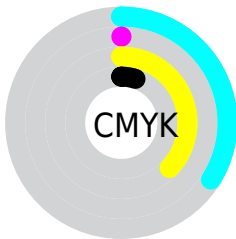
Distribution



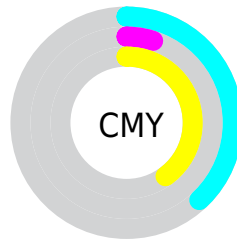
- Red (62%)
- Green (95%)
- Blue (60%)



- Red (60%)
- Yellow (95%)
- Blue (93%)



- Cyan (34%)
- Magenta (0%)
- Yellow (37%)
- Black (5%)




- Cyan (38%)
- Magenta (5%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4796, 0.3106, 0.4387 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 72.4796, 0.3106, 0.4387 by changing the saturation by 10% instead.

 72.4796, 0.3106,
0.4387


 72.4796, 0.3106,
0.4387


469.2092, 0.3135,
0.3849

 53.5505, 0.3094,
0.4517


 122.7382, 0.3120,
0.4194

 38.2425, 0.3076,
0.4681


 154.8364, 0.3124,
0.4121

 26.1709, 0.3048,
0.4893


192.0933, 0.3127,
0.4059

 16.9515, 0.3003,
0.5176

234.8930, 0.3130,
0.4005

 10.2000, 0.2923,
0.5573

283.6201, 0.3132,
0.3958

 5.5317, 0.2770,
0.6151


338.6589, 0.3133,

 2.5625, 0.2579,


0.3917


0.7421


400.3938, 0.3134,
0.3881


 0.9079, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.4796, 0.3106,
0.4387

 72.4796, 0.3106,
0.4387

 69.6698, 0.3094,
0.4742


 75.8819, 0.3115,
0.4047


 67.4101, 0.3080,
0.5094

 79.8981, 0.3121,
0.3734

 65.6669, 0.3063,
0.5416

 84.5597, 0.3125,
0.3454

 64.3995, 0.3045,
0.5682

 89.8934, 0.3128,
0.3208

■ 63.5607, 0.3027,
0.5870

■ 91.3864, 0.3133,
0.3156

■ 63.0934, 0.3012,
0.5971

■ 62.9990, 0.3009,
0.5993

Harmonies

Analogous

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



72.4796, 0.3737, 0.4476



72.4796, 0.3106, 0.4387



72.4796, 0.2513, 0.3875

Triad

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



72.4796, 0.3106, 0.4387



72.4796, 0.2088, 0.2336



72.4796, 0.4247, 0.3234

Complementary

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



72.4796, 0.3106, 0.4387



46.9499, 0.3126, 0.2374

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.



72.4796, 0.3709, 0.2780



72.4796, 0.3106, 0.4387



72.4796, 0.2456, 0.2282

Square

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



72.4796, 0.3106, 0.4387



72.4796, 0.1969, 0.2638



72.4796, 0.3036, 0.2443



72.4796, 0.4437, 0.3734

Rectangle

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



72.4796, 0.3106, 0.4387



72.4796, 0.2218, 0.3417



72.4796, 0.3036, 0.2443



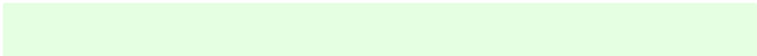
72.4796, 0.4098, 0.3075

Sweetspot

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



72.4827, 0.3106, 0.4387



93.6504, 0.3124, 0.3577



80.4884, 0.3697, 0.4146



19.8912, 0.3123, 0.3615



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.



72.4827, 0.3106, 0.4387



79.9124, 0.3097, 0.4657



73.4455, 0.2870, 0.3904



17.6999, 0.3124, 0.3534



34.1834, 0.3012, 0.5990



2.8589, 0.3045, 0.5964

Inverse Universe

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



46.9499, 0.3126, 0.2374



46.8577, 0.3123, 0.2192



45.7857, 0.3512, 0.2752



15.9823, 0.3129, 0.3057



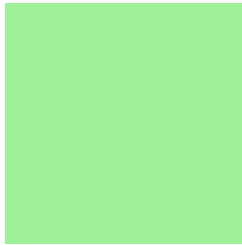
12.3290, 0.3065, 0.1462



1.0397, 0.3085, 0.1473

Previews

White Background



This preview shows how the Yxy color 72.4796, 0.3106, 0.4387 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 72.4796, 0.3106, 0.4387 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 72.4796, 0.3106, 0.4387

Background



This preview shows how black text looks on a background with the Yxy color 72.4796, 0.3106, 0.4387.

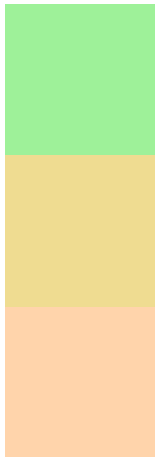


This preview shows how white text looks on a background with the Yxy color 72.4796, 0.3106, 0.4387.

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

72.4796, 0.3106, 0.4387

Protanopia

71.5815, 0.3789, 0.4091

Deuteranopia

71.2872, 0.3759, 0.3715



Tritanopia

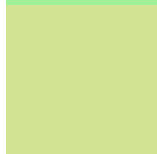
72.0460, 0.2683, 0.3075

Trichromacy



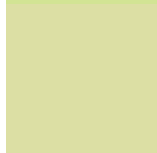
Original Color

72.4796, 0.3106, 0.4387



Protanomaly

71.3266, 0.3517, 0.4205



Deuteranomaly

70.6713, 0.3503, 0.3954



Tritanomaly

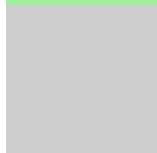
71.5169, 0.2837, 0.3527

Monochromacy



Original Color

72.4796, 0.3106, 0.4387



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.0697, 0.3123, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4796, 0.3106, 0.4387 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, 241, 153)` looks like.

```
.text, #text, p{  
    color:rgb(158, 241, 153)  
}
```

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, 241, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 241, 153) }
```

Border

The CSS property to change the border of an element to Yxy 72.4796, 0.3106, 0.4387 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, 241, 153) }
```

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

```
.border{ border-color:rgb(158, 241, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 241, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 241, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 241, 153);  
box-shadow:4px 4px 4px 4px rgb(158, 241,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4796, 0.3106, 0.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 241, 153) }
```

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

```
.background{ background-color: rgb(158,  
241, 153) }
```

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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