

Converting Colors

Yxy(72.8942, 0.3294, 0.4512)

Have a look what the booklet for
Yxy(72.8942, 0.3294, 0.4512)
contains.

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Color

Yxy(72.6819, 0.3298, 0.4512)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | AFEF8A |
| RGB | 175, 239, 138 |
| RGB Percent | 69%, 94%, 54% |
| CMY | 0.3139, 0.0627, 0.4588 |
| CMYK | 0.27, 0.00, 0.42, 0.06 |
| HSL | 98°, 76%, 74% |
| HSV | 98°, 42%, 94% |
| XYZ | 53.1261, 72.6819, 35.2778 |
| YIQ | 208.3500, -5.7230, -44.9790 |

Conversions

Conversions Part 2

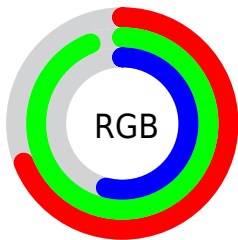
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 138, 239, 202 |
| Decimal | 11530122 |
| CIELab | 88.30, -37.68, 42.46 |
| CIElCh | 88, 56.765, 131.591 |
| Yxy | 72.6819, 0.3298, 0.4512 |
| Android (android.graphics.Color) | 4289720202 (0xFFAFEF8A) |
| YUV | 208.3500, -34.6825, -29.2479 |
| Hunter-Lab | 85.2537, -37.9611, 35.1435 |

Details

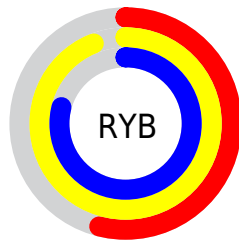
The Yxy color **72.6819, 0.3298, 0.4512** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.9803, 0.2847, 0.2147**, and the grayscale version is **63.5444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5261, 0.3342, 0.3931**, and **38.5319, 0.3305, 0.4832** is the 20% darker color. If you saturate the color by 10%, you get **70.4109, 0.3318, 0.4830**, and if you desaturate by 10%, it is **75.3084, 0.3267, 0.4194**.

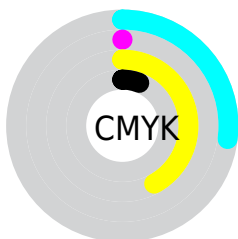
Distribution



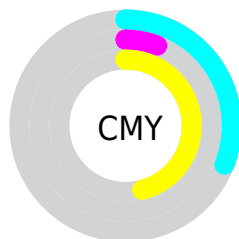
- Red (69%)
- Green (94%)
- Blue (54%)



- Red (54%)
- Yellow (94%)
- Blue (79%)



- Cyan (27%)
- Magenta (0%)
- Yellow (42%)
- Black (6%)




- Cyan (31%)
- Magenta (6%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6819, 0.3298, 0.4512 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 72.6819, 0.3298, 0.4512 by changing the saturation by 10% instead.

 72.6819, 0.3298,
0.4512


 72.6819, 0.3298,
0.4512


469.9116, 0.3243,
0.3917

 53.7159, 0.3303,
0.4653


 123.0255, 0.3285,
0.4301

 38.3746, 0.3305,
0.4830


 155.1719, 0.3278,
0.4220

 26.2735, 0.3300,
0.5055


 192.4806, 0.3271,
0.4151

 17.0284, 0.3281,
0.5351

235.3359, 0.3264,
0.4091

 10.2547, 0.3228,
0.5750

284.1223, 0.3258,
0.4039

 5.5682, 0.3129,
0.6365

339.2241, 0.3253,

 2.5843, 0.2822,


0.3994


0.7178


401.0257, 0.3248,
0.3953


 0.9188, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.6819, 0.3298,
0.4512


 72.6819, 0.3298,
0.4512


 70.4109, 0.3318,
0.4830


 75.3084, 0.3267,
0.4194

 68.4695, 0.3324,
0.5132


 78.2964, 0.3227,
0.3889

 66.8425, 0.3312,
0.5400


 81.6633, 0.3183,
0.3605


 65.5098, 0.3282,
0.5616

 85.4227, 0.3138,
0.3345

 64.4479, 0.3235,
0.5769

 89.4241, 0.3107,
0.3135

 63.7875, 0.3193,
0.5847

 90.2210, 0.3134,
0.3136

Harmonies

Analogous

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



72.6819, 0.3930, 0.4467



72.6819, 0.3298, 0.4512



72.6819, 0.2653, 0.4094

Triad

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



72.6819, 0.3298, 0.4512



72.6819, 0.1988, 0.2364



72.6819, 0.4158, 0.3083

Complementary

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



72.6819, 0.3298, 0.4512



36.9803, 0.2847, 0.2147

Split Complementary

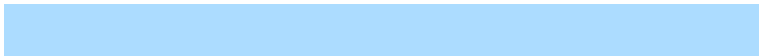
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.6819, 0.3528, 0.2644



72.6819, 0.3298, 0.4512



72.6819, 0.2293, 0.2238

Square

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



72.6819, 0.3298, 0.4512



72.6819, 0.1943, 0.2753



72.6819, 0.2836, 0.2344



72.6819, 0.4476, 0.3592

Rectangle

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



72.6819, 0.3298, 0.4512



72.6819, 0.2304, 0.3634



72.6819, 0.2836, 0.2344



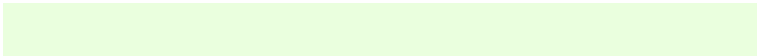
72.6819, 0.3972, 0.2926

Sweetspot

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



72.6850, 0.3298, 0.4512



94.2740, 0.3187, 0.3627



62.4203, 0.3915, 0.3986



19.9870, 0.3197, 0.3688



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.



72.6850, 0.3298, 0.4512



81.8285, 0.3317, 0.4796



69.3954, 0.2997, 0.4426



17.9378, 0.3171, 0.3530



35.3137, 0.3204, 0.5838



2.9923, 0.3306, 0.5757

Inverse Universe

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



36.9803, 0.2847, 0.2147



35.2026, 0.2767, 0.1901



42.0001, 0.3297, 0.2373



15.7256, 0.3079, 0.3053



7.1877, 0.2309, 0.1046



0.6541, 0.2427, 0.1111

Previews

White Background



This preview shows how the Yxy color 72.6819, 0.3298, 0.4512 looks on a white background.

Color Contrast Check

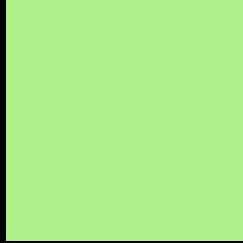
Large Text (above 18pt) WCAG AA × Fail

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 72.6819, 0.3298, 0.4512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

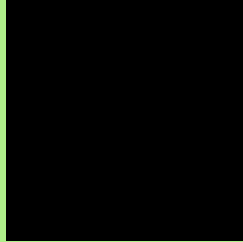
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.6819, 0.3298, 0.4512

Background



This preview shows how black text looks on a background with the Yxy color 72.6819, 0.3298, 0.4512.

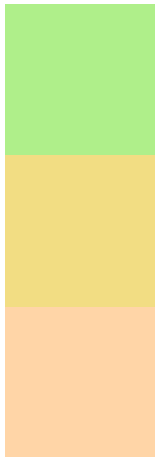


This preview shows how white text looks on a background with the Yxy color 72.6819, 0.3298, 0.4512.

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

72.6819, 0.3298, 0.4512

Protanopia

72.2288, 0.3900, 0.4231

Deuteranopia

71.6385, 0.3785, 0.3766



Tritanopia

72.7372, 0.2791, 0.3090

Trichromacy



Original Color

72.6819, 0.3298, 0.4512



Protanomaly

72.1135, 0.3665, 0.4335



Deuteranomaly

70.8116, 0.3606, 0.4022



Tritanomaly

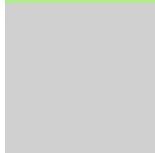
72.0472, 0.2981, 0.3582

Monochromacy



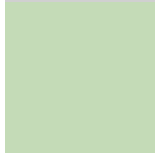
Original Color

72.6819, 0.3298, 0.4512



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.8177, 0.3201, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6819, 0.3298, 0.4512 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(175, 239, 138)` looks like.

```
.text, #text, p{  
    color:rgb(175, 239, 138)  
}
```

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(175, 239, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 239, 138) }
```

Border

The CSS property to change the border of an element to Yxy 72.6819, 0.3298, 0.4512 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(175, 239, 138) }
```

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

```
.border{ border-color:rgb(175, 239, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 239, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 239, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 239, 138);  
box-shadow:4px 4px 4px 4px rgb(175, 239,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6819, 0.3298, 0.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 239, 138) }
```

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

```
.background{ background-color: rgb(175,  
239, 138) }
```

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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