

Converting Colors

$Yxy(79.7968, 0.3424, 0.4705)$

Have a look what the booklet for
Yxy(79.7968, 0.3424, 0.4705)
contains.

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Color

Yxy(79.7968, 0.3424, 0.4705)

Conversions

Conversions Part 1

Format	Color
Hex	BBF97D
RGB	187, 249, 125
RGB Percent	73%, 98%, 49%
CMY	0.2666, 0.0235, 0.5099
CMYK	0.25, 0.00, 0.50, 0.02
HSL	90°, 91%, 73%
HSV	90°, 50%, 98%
XYZ	58.0710, 79.7968, 31.7322
YIQ	216.3260, 2.8520, -51.7080

Conversions

Conversions Part 2

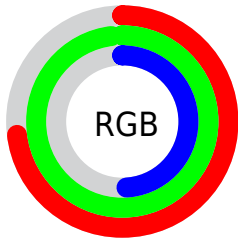
Format	Color
R _{YB}	125, 249, 187
Decimal	12319101
CIE Lab	91.59, -39.49, 52.91
CIE LCh	92, 66.022, 126.741
Yxy	79.7968, 0.3424, 0.4705
Android (android.graphics.Color)	4290509181 (0xFFBBF97D)
YUV	216.3260, -45.0237, -25.7189
Hunter-Lab	89.3291, -40.2865, 41.4689

Details

The Yxy color **79.7968, 0.3424, 0.4705** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **32.0593, 0.2635, 0.1881**, and the grayscale version is **69.2162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2278, 0.3505, 0.4045**, and **42.9924, 0.3446, 0.5043** is the 20% darker color. If you saturate the color by 10%, you get **77.7394, 0.3452, 0.4991**, and if you desaturate by 10%, it is **82.1567, 0.3380, 0.4404**.

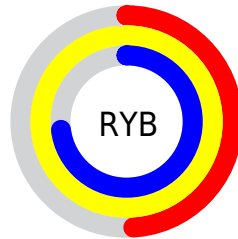
Distribution



Red (73%)

Green (98%)

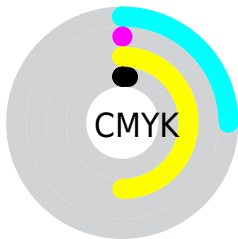
Blue (49%)



Red (49%)

Yellow (98%)

Blue (73%)

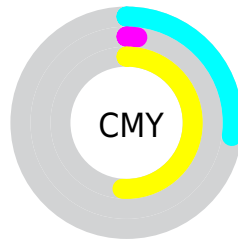


Cyan (25%)

Magenta (0%)

Yellow (50%)

Black (2%)



Cyan (27%)

Magenta (2%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.7968, 0.3424, 0.4705 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 79.7968, 0.3424, 0.4705 by changing the saturation by 10% instead.


 79.7968, 0.3424,
0.4705


 79.7968, 0.3424,
0.4705


494.2478, 0.3323,
0.4031

 59.5512, 0.3436,
0.4859

 133.0800, 0.3398,
0.4470

 43.0570, 0.3444,
0.5048


 166.8864, 0.3385,
0.4379

 29.9298, 0.3445,
0.5284

 205.9817, 0.3372,
0.4300

 19.7853, 0.3428,
0.5583

250.7505, 0.3361,
0.4232

 12.2391, 0.3372,
0.5966

301.5771, 0.3350,
0.4173

 6.9067, 0.3300,
0.6595


358.8459, 0.3341,


 3.4038, 0.2913,

0.4120


0.7087

422.9414, 0.3331,
0.4073


 1.3460, 0.1597,
0.8403


 0.1764, 0.0000,
1.0000

 79.7968, 0.3424,
0.4705


 79.7968, 0.3424,
0.4705


 77.7394, 0.3452,
0.4991


 82.1567, 0.3380,
0.4404


 75.9585, 0.3460,
0.5248

 84.8228, 0.3324,
0.4103

 74.4401, 0.3445,
0.5459


 87.8118, 0.3261,
0.3812

 73.1638, 0.3408,
0.5615

 91.1359, 0.3194,
0.3538

 72.0990, 0.3355,
0.5717

 94.8067, 0.3126,
0.3285

 72.0805, 0.3354,
0.5719

 96.2343, 0.3130,
0.3233

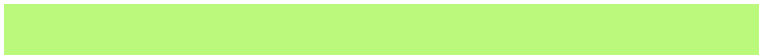
Harmonies

Analogous

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



79.7968, 0.4111, 0.4550



79.7968, 0.3424, 0.4705



79.7968, 0.2696, 0.4319

Triad

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



79.7968, 0.3424, 0.4705



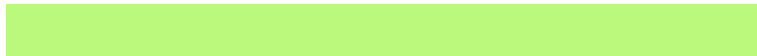
79.7968, 0.1840, 0.2302



79.7968, 0.4192, 0.2966

Complementary

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



79.7968, 0.3424, 0.4705



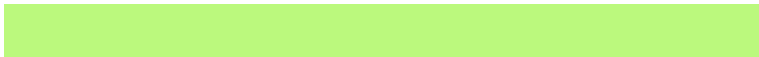
32.0593, 0.2635, 0.1881

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.



79.7968, 0.3445, 0.2506



79.7968, 0.3424, 0.4705



79.7968, 0.2126, 0.2128

Square

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



79.7968, 0.3424, 0.4705



79.7968, 0.1834, 0.2775



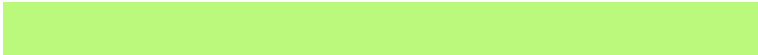
79.7968, 0.2684, 0.2209



79.7968, 0.4619, 0.3515

Rectangle

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



79.7968, 0.3424, 0.4705



79.7968, 0.2287, 0.3811



79.7968, 0.2684, 0.2209



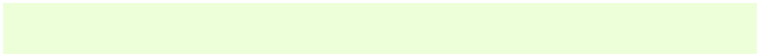
79.7968, 0.3964, 0.2799

Sweetspot

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



79.8003, 0.3424, 0.4705



94.3295, 0.3229, 0.3678



56.2848, 0.4189, 0.3923



20.0339, 0.3243, 0.3737



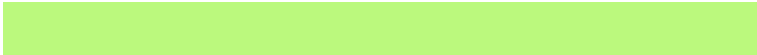
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.8003, 0.3424, 0.4705



82.0071, 0.3452, 0.4999



73.7489, 0.3063, 0.4875



19.7357, 0.3192, 0.3530



38.6664, 0.3365, 0.5710



3.6442, 0.3455, 0.5639

Inverse Universe

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



32.0593, 0.2635, 0.1881



26.2435, 0.2501, 0.1590



41.2620, 0.3165, 0.2081



17.0691, 0.3058, 0.3050



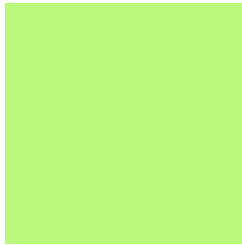
6.0574, 0.2021, 0.0887



0.6240, 0.2150, 0.0958

Previews

White Background



This preview shows how the Yxy color 79.7968, 0.3424, 0.4705 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 79.7968, 0.3424, 0.4705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

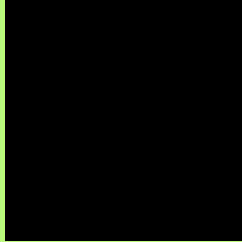
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.7968, 0.3424, 0.4705

Background



This preview shows how black text looks on a background with the Yxy color 79.7968, 0.3424, 0.4705.

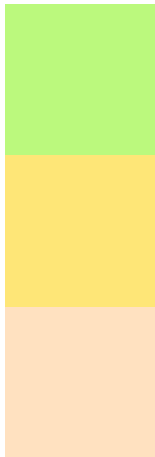


This preview shows how white text looks on a background with the Yxy color 79.7968, 0.3424, 0.4705.

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

79.7968, 0.3424, 0.4705

Protanopia

78.9964, 0.4019, 0.4380

Deuteranopia

78.9162, 0.3570, 0.3627



Tritanopia

79.5516, 0.2825, 0.3088

Trichromacy



Original Color

79.7968, 0.3424, 0.4705



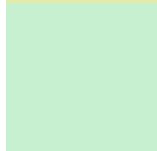
Protanomaly

78.7718, 0.3794, 0.4503



Deuteranomaly

78.4958, 0.3524, 0.4001



Tritanomaly

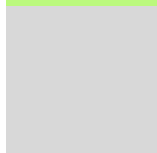
78.8309, 0.3052, 0.3661

Monochromacy



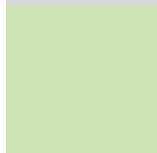
Original Color

79.7968, 0.3424, 0.4705



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.8848, 0.3256, 0.3808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7968, 0.3424, 0.4705 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(187, 249, 125)` looks like.

```
.text, #text, p{  
    color:rgb(187, 249, 125)  
}
```

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(187, 249, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 249, 125) }
```

Border

The CSS property to change the border of an element to Yxy 79.7968, 0.3424, 0.4705 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(187, 249, 125) }
```

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

```
.border{ border-color:rgb(187, 249, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 249, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 249, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 249, 125); box-shadow:4px 4px 4px 4px rgb(187, 249, 125) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7968, 0.3424, 0.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 249, 125) }
```

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

```
.background{ background-color: rgb(187,  
249, 125) }
```

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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