

Converting Colors

Yxy(76.0436, 0.3495, 0.4418)

Have a look what the booklet for
Yxy(76.0436, 0.3495, 0.4418)
contains.

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Color

Yxy(75.8505, 0.3499, 0.4413)

Conversions

Conversions Part 1

Format	Color
Hex	CCEE8B
RGB	204, 238, 139
RGB Percent	80%, 93%, 55%
CMY	0.1999, 0.0667, 0.4550
CMYK	0.14, 0.00, 0.42, 0.07
HSL	81°, 74%, 74%
HSV	81°, 42%, 93%
XYZ	60.1407, 75.8505, 35.8885
YIQ	216.5480, 11.5150, -37.9970

Conversions

Conversions Part 2

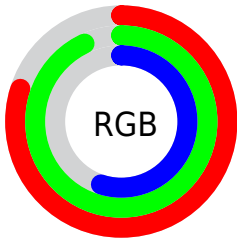
Format	Color
RYB	139, 238, 173
Decimal	13430411
CIELab	89.79, -26.74, 44.24
CIElCh	90, 51.695, 121.146
Yxy	75.8505, 0.3499, 0.4413
Android (android.graphics.Color)	4291620491 (0xFFCCEE8B)
YUV	216.5480, -38.2312, -11.0046
Hunter-Lab	87.0922, -29.1498, 36.5326

Details

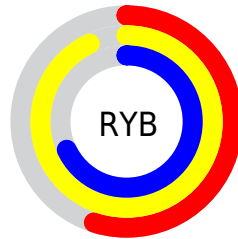
The Yxy color **75.8505, 0.3499, 0.4413** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.5117, 0.2609, 0.2087**, and the grayscale version is **69.3267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **40.4399, 0.3553, 0.4686** is the 20% darker color. If you saturate the color by 10%, you get **74.1083, 0.3567, 0.4687**, and if you desaturate by 10%, it is **77.8114, 0.3418, 0.4131**.

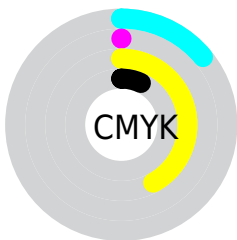
Distribution



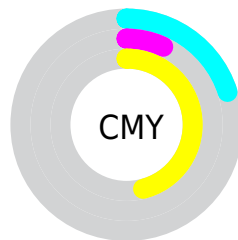
- Red (80%)
- Green (93%)
- Blue (55%)



- Red (55%)
- Yellow (93%)
- Blue (68%)



- Cyan (14%)
- Magenta (0%)
- Yellow (42%)
- Black (7%)





- Cyan (20%)
- Magenta (7%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8505, 0.3499, 0.4413 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 75.8505, 0.3499, 0.4413 by changing the saturation by 10% instead.


 75.8505, 0.3499,
0.4413


 75.8505, 0.3499,
0.4413

480.8358, 0.3348,
0.3880


 56.3099, 0.3527,
0.4536


 127.5156, 0.3452,
0.4227

 40.4515, 0.3556,
0.4687


 160.4088, 0.3432,
0.4155

 27.8907, 0.3587,
0.4876


 198.5218, 0.3414,
0.4093

 18.2433, 0.3615,
0.5120

242.2388, 0.3398,
0.4039

 11.1248, 0.3629,
0.5438

291.9444, 0.3384,
0.3992

 6.1508, 0.3623,
0.5899


348.0228, 0.3371,

 2.9370, 0.3494,


0.3950


0.6506


410.8584, 0.3359,
0.3913


 1.0989, 0.2556,
0.7444


 0.0000, 0.0000,
0.0000


 75.8505, 0.3499,
0.4413


 75.8505, 0.3499,
0.4413


 74.1083, 0.3567,
0.4687


 77.8114, 0.3418,
0.4131


 72.5638, 0.3618,
0.4940


 79.9907, 0.3328,
0.3851


 71.2084, 0.3646,
0.5159


 82.4011, 0.3235,
0.3582

 70.0282, 0.3649,
0.5334


 85.0513, 0.3142,
0.3329

 69.0071, 0.3627,
0.5459

 87.7557, 0.3069,
0.3123

 68.2514, 0.3593,
0.5529

 89.2558, 0.3122,
0.3126

 89.6292, 0.3135,
0.3127

Harmonies

Analogous

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



75.8505, 0.4026, 0.4265



75.8505, 0.3499, 0.4413



75.8505, 0.2900, 0.4176

Triad

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



75.8505, 0.3499, 0.4413



75.8505, 0.2048, 0.2551



75.8505, 0.3878, 0.2957

Complementary

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



75.8505, 0.3499, 0.4413



33.5117, 0.2609, 0.2087

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.



75.8505, 0.3269, 0.2589



75.8505, 0.3499, 0.4413



75.8505, 0.2247, 0.2348

Square

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



75.8505, 0.3499, 0.4413



75.8505, 0.2094, 0.2993



75.8505, 0.2674, 0.2372



75.8505, 0.4280, 0.3411

Rectangle

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



75.8505, 0.3499, 0.4413



75.8505, 0.2542, 0.3820



75.8505, 0.2674, 0.2372



75.8505, 0.3687, 0.2821

Sweetspot

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



75.8539, 0.3499, 0.4413



96.2464, 0.3239, 0.3594



49.5409, 0.4040, 0.3661



20.5185, 0.3252, 0.3628



0.0000, 0.0000, 0.0000



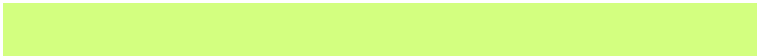
21.4041, 0.3127, 0.3290

Same Dimension

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



75.8539, 0.3499, 0.4413



86.9520, 0.3559, 0.4649



70.0292, 0.3167, 0.4540



18.1718, 0.3215, 0.3527



38.1517, 0.3602, 0.5522



3.2286, 0.3681, 0.5460

Inverse Universe

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



33.5117, 0.2609, 0.2087



31.2137, 0.2472, 0.1813



40.0830, 0.3027, 0.2221



15.4923, 0.3033, 0.3050



4.5005, 0.1759, 0.0743



0.4275, 0.1903, 0.0822

Previews

White Background



This preview shows how the Yxy color 75.8505, 0.3499, 0.4413 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 75.8505, 0.3499, 0.4413 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 75.8505, 0.3499, 0.4413

Background



This preview shows how black text looks on a background with the Yxy color 75.8505, 0.3499, 0.4413.

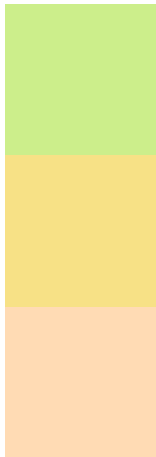


This preview shows how white text looks on a background with the Yxy color 75.8505, 0.3499, 0.4413.

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

75.8505, 0.3499, 0.4413

Protanopia

75.3458, 0.3901, 0.4224

Deuteranopia

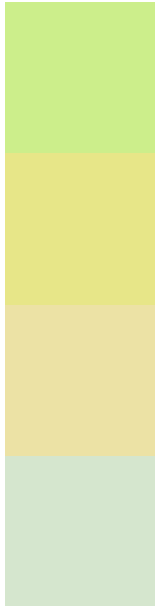
75.2183, 0.3671, 0.3691



Tritanopia

75.8298, 0.2961, 0.3099

Trichromacy



Original Color

75.8505, 0.3499, 0.4413

Protanomaly

75.3601, 0.3745, 0.4296

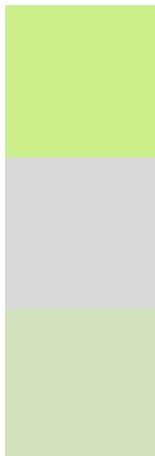
Deuteranomaly

74.9422, 0.3610, 0.3945

Tritanomaly

75.1960, 0.3163, 0.3556

Monochromacy



Original Color

75.8505, 0.3499, 0.4413

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

71.5216, 0.3271, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8505, 0.3499, 0.4413 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(204, 238, 139)` looks like.

```
.text, #text, p{  
    color:rgb(204, 238, 139)  
}
```

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(204, 238, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 238, 139) }
```

Border

The CSS property to change the border of an element to Yxy 75.8505, 0.3499, 0.4413 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(204, 238, 139) }
```

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

```
.border{ border-color:rgb(204, 238, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 238, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 238, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 238, 139);  
box-shadow:4px 4px 4px 4px rgb(204, 238,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8505, 0.3499, 0.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 238, 139) }
```

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

```
.background{ background-color: rgb(204,  
238, 139) }
```

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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