

Converting Colors

$Yxy(69.5299, 0.3527, 0.4486)$

Have a look what the booklet for
Yxy(69.5299, 0.3527, 0.4486)
contains.

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Color

Yxy(69.3329, 0.3529, 0.4475)

Conversions

Conversions Part 1

Format	Color
Hex	C4E580
RGB	196, 229, 128
RGB Percent	77%, 90%, 50%
CMY	0.2315, 0.1019, 0.4980
CMYK	0.14, 0.00, 0.44, 0.10
HSL	80°, 66%, 70%
HSV	80°, 44%, 90%
XYZ	54.6762, 69.3329, 30.9248
YIQ	207.6190, 12.7530, -38.4070

Conversions

Conversions Part 2

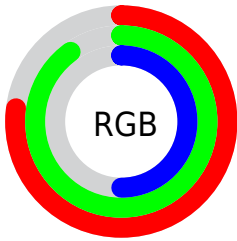
Format	Color
RYB	128, 229, 161
Decimal	12903808
CIELab	86.67, -26.70, 45.55
CIElCh	87, 52.798, 120.378
Yxy	69.3329, 0.3529, 0.4475
Android (android.graphics.Color)	4291093888 (0xFFC4E580)
YUV	207.6190, -39.2522, -10.1899
Hunter-Lab	83.2664, -28.5057, 36.2664

Details

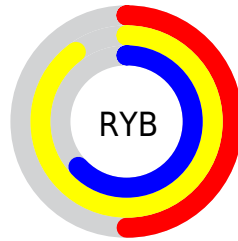
The Yxy color **69.3329, 0.3529, 0.4475** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **28.6798, 0.2558, 0.2006**, and the grayscale version is **63.0690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9682, 0.3555, 0.4010**, and **36.0717, 0.3599, 0.4767** is the 20% darker color. If you saturate the color by 10%, you get **67.8200, 0.3596, 0.4742**, and if you desaturate by 10%, it is **71.0382, 0.3448, 0.4197**.

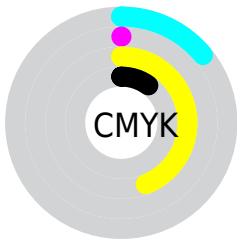
Distribution



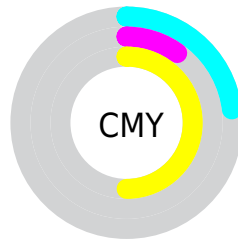
- Red (77%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (63%)



- Cyan (14%)
- Magenta (0%)
- Yellow (44%)
- Black (10%)





- Cyan (23%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3329, 0.3529, 0.4475 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 69.3329, 0.3529, 0.4475 by changing the saturation by 10% instead.


 69.3329, 0.3529,
0.4475

 69.3329, 0.3529,
0.4475


458.2042, 0.3364,
0.3904

 50.9829, 0.3559,
0.4608


 118.2569, 0.3478,
0.4274

 36.1950, 0.3591,
0.4772


 149.5997, 0.3456,
0.4197

 24.5848, 0.3623,
0.4979


 186.0422, 0.3436,
0.4130

 15.7680, 0.3649,
0.5246

227.9688, 0.3419,
0.4073

 9.3601, 0.3653,
0.5593

275.7639, 0.3403,
0.4023

 4.9768, 0.3711,
0.6251

329.8119, 0.3389,

 2.2337, 0.3359,

0.3979

0.6641

390.4972, 0.3376,
0.3939

0.7383, 0.0633,
0.9367

0.0000, 0.0000,
0.0000

69.3329, 0.3529,
0.4475

69.3329, 0.3529,
0.4475

67.8200, 0.3596,
0.4742

71.0382, 0.3448,
0.4197

66.4802, 0.3644,
0.4984


72.9358, 0.3357,
0.3918

65.3056, 0.3669,
0.5190


75.0371, 0.3262,
0.3647


64.2832, 0.3669,
0.5350


77.3501, 0.3166,
0.3390

 63.3975, 0.3643,
0.5460

 79.8821, 0.3072,
0.3151

 62.9253, 0.3621,
0.5507

 81.9510, 0.3045,
0.3031

 83.2958, 0.3095,
0.3035

 84.5247, 0.3139,
0.3039

Harmonies

Analogous

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



69.3329, 0.4079, 0.4302



69.3329, 0.3529, 0.4475



69.3329, 0.2901, 0.4239

Triad

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



69.3329, 0.3529, 0.4475



69.3329, 0.1997, 0.2521



69.3329, 0.3903, 0.2928

Complementary

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



69.3329, 0.3529, 0.4475



28.6798, 0.2558, 0.2006

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.



69.3329, 0.3258, 0.2549



69.3329, 0.3529, 0.4475



69.3329, 0.2198, 0.2307

Square

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



69.3329, 0.3529, 0.4475



69.3329, 0.2051, 0.2989



69.3329, 0.2637, 0.2327



69.3329, 0.4335, 0.3399

Rectangle

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



69.3329, 0.3529, 0.4475



69.3329, 0.2524, 0.3866



69.3329, 0.2637, 0.2327



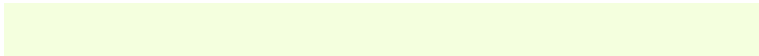
69.3329, 0.3699, 0.2788

Sweetspot

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



69.3360, 0.3529, 0.4475



96.0472, 0.3252, 0.3620



43.3576, 0.4121, 0.3663



20.4244, 0.3273, 0.3679



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.



69.3360, 0.3529, 0.4475



86.6912, 0.3592, 0.4721



63.7627, 0.3178, 0.4619



16.5686, 0.3217, 0.3526



36.0416, 0.3629, 0.5500



2.7132, 0.3713, 0.5434

Inverse Universe

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



28.6798, 0.2558, 0.2006



28.5151, 0.2405, 0.1712



34.8725, 0.3003, 0.2156



14.1149, 0.3031, 0.3051



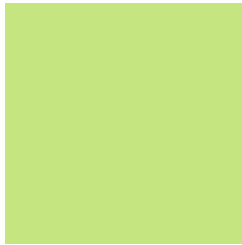
4.1455, 0.1739, 0.0732



0.3553, 0.1898, 0.0819

Previews

White Background



This preview shows how the Yxy color 69.3329, 0.3529, 0.4475 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 69.3329, 0.3529, 0.4475 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 69.3329, 0.3529, 0.4475

Background



This preview shows how black text looks on a background with the Yxy color 69.3329, 0.3529, 0.4475.



This preview shows how white text looks on a background with the Yxy color 69.3329, 0.3529, 0.4475.

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

69.3329, 0.3529, 0.4475

Protanopia

69.2329, 0.3938, 0.4283

Deuteranopia

68.6061, 0.3923, 0.3879



Tritanopia

69.2679, 0.2967, 0.3103

Trichromacy



Original Color

69.3329, 0.3529, 0.4475

Protanomaly

68.8815, 0.3787, 0.4348

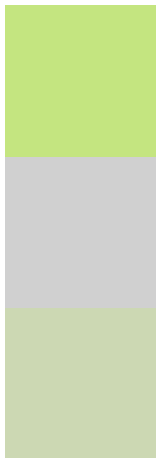
Deuteranomaly

68.5873, 0.3778, 0.4085

Tritanomaly

68.6322, 0.3185, 0.3590

Monochromacy



Original Color

69.3329, 0.3529, 0.4475

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

65.2038, 0.3291, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3329, 0.3529, 0.4475 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(196, 229, 128)` looks like.

```
.text, #text, p{  
    color:rgb(196, 229, 128)  
}
```

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(196, 229, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 229, 128) }
```

Border

The CSS property to change the border of an element to Yxy 69.3329, 0.3529, 0.4475 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(196, 229, 128) }
```

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

```
.border{ border-color:rgb(196, 229, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 229, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 229, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 229, 128);  
box-shadow:4px 4px 4px 4px rgb(196, 229,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3329, 0.3529, 0.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 229, 128) }
```

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

```
.background{ background-color: rgb(196,  
229, 128) }
```

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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