

Converting Colors

$Y_{xy}(72.2802, 0.3594, 0.4521)$

Have a look what the booklet for
Yxy(72.2802, 0.3594, 0.4521)
contains.

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Color

Yxy(72.5704, 0.3599, 0.4528)

Conversions

Conversions Part 1

Format	Color
Hex	CCE97C
RGB	204, 233, 124
RGB Percent	80%, 91%, 49%
CMY	0.1999, 0.0863, 0.5139
CMYK	0.12, 0.00, 0.47, 0.09
HSL	76°, 71%, 70%
HSV	76°, 47%, 91%
XYZ	57.6813, 72.5704, 30.0186
YIQ	211.9030, 17.7050, -40.0470

Conversions

Conversions Part 2

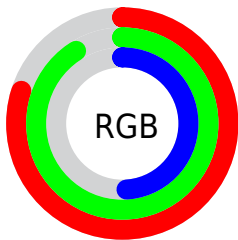
Format	Color
RYB	124, 233, 153
Decimal	13429116
CIELab	88.24, -26.00, 49.56
CIElCh	88, 55.966, 117.683
Yxy	72.5704, 0.3599, 0.4528
Android (android.graphics.Color)	4291619196 (0xFFCCE97C)
YUV	211.9030, -43.3362, -6.9309
Hunter-Lab	85.1883, -28.2164, 38.7392

Details

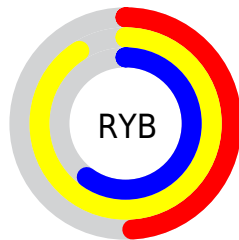
The Yxy color **72.5704, 0.3599, 0.4528** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **27.0513, 0.2458, 0.1898**, and the grayscale version is **66.0565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **38.2081, 0.3671, 0.4819** is the 20% darker color. If you saturate the color by 10%, you get **71.1947, 0.3672, 0.4778**, and if you desaturate by 10%, it is **74.1266, 0.3510, 0.4260**.

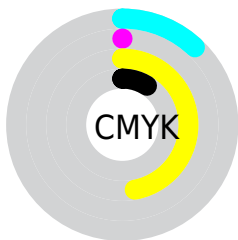
Distribution



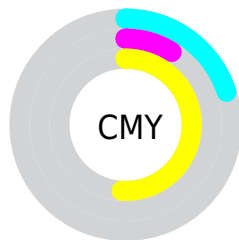
- Red (80%)
- Green (91%)
- Blue (49%)



- Red (49%)
- Yellow (91%)
- Blue (60%)



- Cyan (12%)
- Magenta (0%)
- Yellow (47%)
- Black (9%)



- Cyan (20%)
- Magenta (9%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5704, 0.3599, 0.4528 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 72.5704, 0.3599, 0.4528 by changing the saturation by 10% instead.


 72.5704, 0.3599,
0.4528


 72.5704, 0.3599,
0.4528


469.5245, 0.3407,
0.3940

 53.6248, 0.3634,
0.4662


 122.8671, 0.3539,
0.4323

 38.3017, 0.3671,
0.4827


 154.9870, 0.3514,
0.4244

 26.2170, 0.3708,
0.5031


 192.2671, 0.3491,
0.4175

 16.9860, 0.3740,
0.5289

235.0918, 0.3471,
0.4116

 10.2245, 0.3748,
0.5617

283.8455, 0.3452,
0.4064

 5.5481, 0.3798,
0.6202

338.9126, 0.3436,

 2.5723, 0.3470,

0.4018

0.6530

400.6775, 0.3420,
0.3977

■ 0.9128, 0.2031,
0.7969

■ 0.0000, 0.0000,
0.0000

■ 72.5704, 0.3599,
0.4528

■ 72.5704, 0.3599,
0.4528

■ 71.1947, 0.3672,
0.4778

■ 74.1266, 0.3510,
0.4260

■ 69.9794, 0.3725,
0.5000


■ 75.8630, 0.3410,
0.3987

■ 68.9161, 0.3753,
0.5181

■ 77.7914, 0.3305,
0.3717

■ 67.9911, 0.3756,
0.5316


■ 79.9198, 0.3199,
0.3458


 67.1872, 0.3734,
0.5403


 82.2558, 0.3094,
0.3214

 66.9468, 0.3724,
0.5425

 84.2298, 0.3046,
0.3072

 85.3390, 0.3087,
0.3074

 86.4856, 0.3128,
0.3077

 86.7587, 0.3137,
0.3078

Harmonies

Analogous

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



72.5704, 0.4158, 0.4309



72.5704, 0.3599, 0.4528



72.5704, 0.2945, 0.4326

Triad

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



72.5704, 0.3599, 0.4528



72.5704, 0.1948, 0.2521



72.5704, 0.3881, 0.2872

Complementary

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



72.5704, 0.3599, 0.4528



27.0513, 0.2458, 0.1898

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.



72.5704, 0.3199, 0.2493



72.5704, 0.3599, 0.4528



72.5704, 0.2132, 0.2278

Square

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



72.5704, 0.3599, 0.4528



72.5704, 0.2027, 0.3028



72.5704, 0.2565, 0.2280



72.5704, 0.4362, 0.3353

Rectangle

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



72.5704, 0.3599, 0.4528



72.5704, 0.2545, 0.3953



72.5704, 0.2565, 0.2280



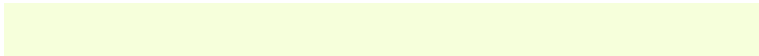
72.5704, 0.3663, 0.2731

Sweetspot

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



72.5736, 0.3599, 0.4528



96.1554, 0.3276, 0.3645



40.9797, 0.4250, 0.3603



20.4639, 0.3299, 0.3702



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.



72.5736, 0.3599, 0.4528



87.4546, 0.3669, 0.4766



66.3324, 0.3224, 0.4692



17.4140, 0.3227, 0.3526



38.0500, 0.3731, 0.5419



3.0343, 0.3798, 0.5367

Inverse Universe

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



27.0513, 0.2458, 0.1898



25.3502, 0.2288, 0.1590



33.3706, 0.2925, 0.2064



14.7425, 0.3021, 0.3049



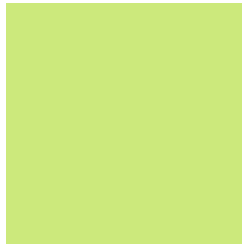
3.9692, 0.1663, 0.0690



0.3573, 0.1804, 0.0767

Previews

White Background



This preview shows how the Yxy color 72.5704, 0.3599, 0.4528 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 72.5704, 0.3599, 0.4528 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 72.5704, 0.3599, 0.4528

Background



This preview shows how black text looks on a background with the Yxy color 72.5704, 0.3599, 0.4528.

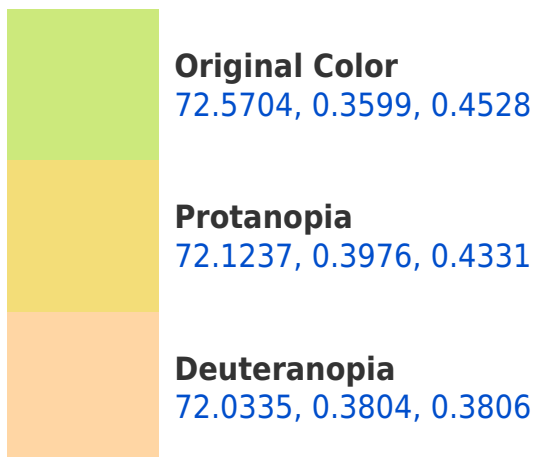


This preview shows how white text looks on a background with the Yxy color 72.5704, 0.3599, 0.4528.

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

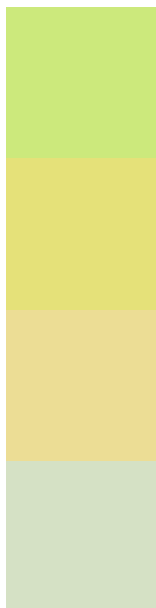




Tritanopia

72.2649, 0.2997, 0.3097

Trichromacy



Original Color

72.5704, 0.3599, 0.4528

Protanomaly

71.8889, 0.3840, 0.4404

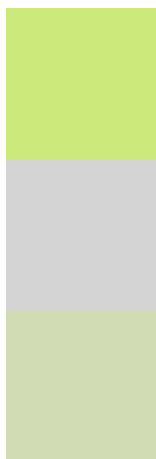
Deuteranomaly

71.7157, 0.3734, 0.4066

Tritanomaly

72.0278, 0.3225, 0.3605

Monochromacy



Original Color

72.5704, 0.3599, 0.4528

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

68.0370, 0.3316, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5704, 0.3599, 0.4528 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, 233, 124)` looks like.

```
.text, #text, p{  
    color:rgb(204, 233, 124)  
}
```

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, 233, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 233, 124) }
```

Border

The CSS property to change the border of an element to Yxy 72.5704, 0.3599, 0.4528 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, 233, 124) }
```

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

```
.border{ border-color:rgb(204, 233, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 233, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 233, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 233, 124);  
box-shadow:4px 4px 4px 4px rgb(204, 233,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5704, 0.3599, 0.4528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 233, 124) }
```

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

```
.background{ background-color: rgb(204,  
233, 124) }
```

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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