

Converting Colors

$Y_{xy}(71.2913, 0.3616, 0.4472)$

Have a look what the booklet for
Yxy(71.2913, 0.3616, 0.4472)
contains.

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Color

Yxy(71.2218, 0.3613, 0.4474)

Conversions

Conversions Part 1

Format	Color
Hex	CEE67E
RGB	206, 230, 126
RGB Percent	81%, 90%, 49%
CMY	0.1922, 0.0980, 0.5059
CMYK	0.10, 0.00, 0.45, 0.10
HSL	74°, 68%, 70%
HSV	74°, 45%, 90%
XYZ	57.5155, 71.2218, 30.4531
YIQ	210.9680, 19.0800, -37.4320

Conversions

Conversions Part 2

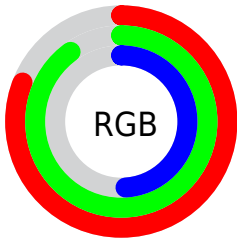
Format	Color
RYB	126, 230, 150
Decimal	13559422
CIELab	87.59, -23.61, 47.81
CIELCh	88, 53.324, 116.276
Yxy	71.2218, 0.3613, 0.4474
Android (android.graphics.Color)	4291749502 (0xFFCEE67E)
YUV	210.9680, -41.8892, -4.3569
Hunter-Lab	84.3930, -26.0365, 37.6804

Details

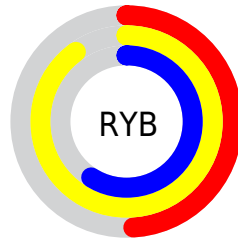
The Yxy color **71.2218, 0.3613, 0.4474** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.1198, 0.2456, 0.1941**, and the grayscale version is **65.3929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0753, 0.3573, 0.4028**, and **37.2505, 0.3695, 0.4755** is the 20% darker color. If you saturate the color by 10%, you get **69.9507, 0.3696, 0.4722**, and if you desaturate by 10%, it is **72.6614, 0.3515, 0.4210**.

Distribution



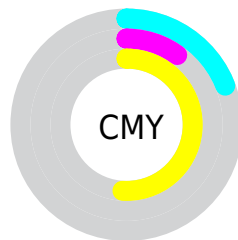
- Red (81%)
- Green (90%)
- Blue (49%)



- Red (49%)
- Yellow (90%)
- Blue (59%)



- Cyan (10%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)





- Cyan (19%)
- Magenta (10%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2218, 0.3613, 0.4474 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 71.2218, 0.3613, 0.4474 by changing the saturation by 10% instead.


 71.2218, 0.3613,
0.4474

 71.2218, 0.3613,
0.4474

464.8284, 0.3411,
0.3911


 52.5232, 0.3651,
0.4603


 120.9495, 0.3549,
0.4278

 37.4223, 0.3693,
0.4761


 152.7474, 0.3522,
0.4202

 25.5346, 0.3736,
0.4957


 189.6805, 0.3498,
0.4136

 16.4758, 0.3777,
0.5206

232.1333, 0.3477,
0.4079

 9.8615, 0.3800,
0.5524

280.4900, 0.3458,
0.4029

 5.3072, 0.3885,
0.6115


335.1352, 0.3441,

 2.4286, 0.3579,


0.3985


0.6421


396.4532, 0.3425,
0.3946

 0.8406, 0.2094,
0.7906


 0.0000, 0.0000,
0.0000


 71.2218, 0.3613,
0.4474


 71.2218, 0.3613,
0.4474


 69.9507, 0.3696,
0.4722


 72.6614, 0.3515,
0.4210

 68.8289, 0.3758,
0.4941

 74.2688, 0.3408,
0.3940


 67.8486, 0.3797,
0.5122


 76.0553, 0.3297,
0.3674


 66.9971, 0.3809,
0.5258


 78.0285, 0.3185,
0.3418

 66.2587, 0.3797,
0.5346


 80.1954, 0.3075,
0.3177

 65.9339, 0.3785,
0.5377

 81.9692, 0.3025,
0.3040

 82.9011, 0.3060,
0.3042

 83.8604, 0.3095,
0.3045

 84.8472, 0.3130,
0.3048

Harmonies

Analogous

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



71.2218, 0.4140, 0.4256



71.2218, 0.3613, 0.4474



71.2218, 0.2985, 0.4298

Triad

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



71.2218, 0.3613, 0.4474



71.2218, 0.1988, 0.2570



71.2218, 0.3822, 0.2869

Complementary

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



71.2218, 0.3613, 0.4474



27.1198, 0.2456, 0.1941

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.



71.2218, 0.3167, 0.2508



71.2218, 0.3613, 0.4474



71.2218, 0.2155, 0.2321

Square

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



71.2218, 0.3613, 0.4474



71.2218, 0.2078, 0.3071



71.2218, 0.2563, 0.2311



71.2218, 0.4297, 0.3332

Rectangle

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



71.2218, 0.3613, 0.4474



71.2218, 0.2595, 0.3953



71.2218, 0.2563, 0.2311



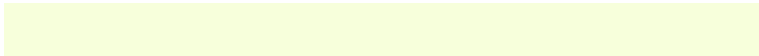
71.2218, 0.3612, 0.2734

Sweetspot

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



71.2250, 0.3613, 0.4474



96.3806, 0.3284, 0.3644



39.6781, 0.4216, 0.3553



20.5191, 0.3308, 0.3701



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.



71.2250, 0.3613, 0.4474



88.5332, 0.3689, 0.4700



65.1185, 0.3246, 0.4628



16.6407, 0.3232, 0.3525



37.3834, 0.3791, 0.5372



2.8034, 0.3853, 0.5323

Inverse Universe

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



27.1198, 0.2456, 0.1941



26.4104, 0.2289, 0.1640



32.9885, 0.2902, 0.2094



14.0469, 0.3016, 0.3049



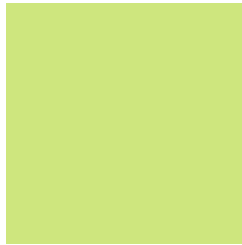
3.7101, 0.1628, 0.0670



0.3156, 0.1770, 0.0749

Previews

White Background



This preview shows how the Yxy color 71.2218, 0.3613, 0.4474 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 71.2218, 0.3613, 0.4474 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 71.2218, 0.3613, 0.4474

Background



This preview shows how black text looks on a background with the Yxy color 71.2218, 0.3613, 0.4474.



This preview shows how white text looks on a background with the Yxy color 71.2218, 0.3613, 0.4474.

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

71.2218, 0.3613, 0.4474

Protanopia

70.7689, 0.3958, 0.4301

Deuteranopia

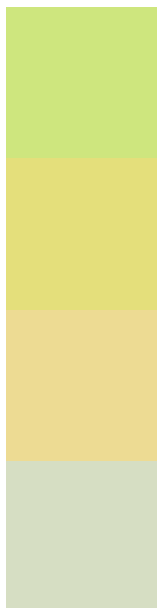
70.8502, 0.3848, 0.3838



Tritanopia

71.2010, 0.3023, 0.3107

Trichromacy



Original Color

71.2218, 0.3613, 0.4474

Protanomaly

70.6994, 0.3830, 0.4370

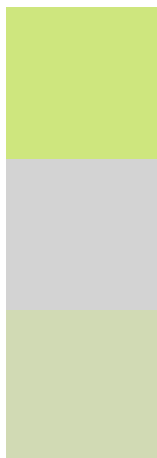
Deuteranomaly

70.7741, 0.3763, 0.4065

Tritanomaly

70.4788, 0.3249, 0.3595

Monochromacy



Original Color

71.2218, 0.3613, 0.4474

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.9934, 0.3319, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2218, 0.3613, 0.4474 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(206, 230, 126)` looks like.

```
.text, #text, p{  
    color:rgb(206, 230, 126)  
}
```

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(206, 230, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 230, 126) }
```

Border

The CSS property to change the border of an element to Yxy 71.2218, 0.3613, 0.4474 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(206, 230, 126) }
```

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

```
.border{ border-color:rgb(206, 230, 126) }
```

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

Here you see how a box with a 4 pixel rgb(206, 230, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 230, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 230, 126);  
box-shadow:4px 4px 4px 4px rgb(206, 230,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2218, 0.3613, 0.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 230, 126) }
```

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

```
.background{ background-color: rgb(206,  
230, 126) }
```

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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