

Converting Colors

$Yxy(72.9472, 0.3630, 0.4468)$

Have a look what the booklet for
Yxy(72.9472, 0.3630, 0.4468)
contains.

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Color

Yxy(72.9472, 0.3630, 0.4468)

Conversions

Conversions Part 1

Format	Color
Hex	D2E87F
RGB	210, 232, 127
RGB Percent	82%, 91%, 50%
CMY	0.1765, 0.0902, 0.5017
CMYK	0.09, 0.00, 0.45, 0.09
HSL	73°, 70%, 70%
HSV	73°, 45%, 91%
XYZ	59.2655, 72.9472, 31.0532
YIQ	213.4520, 20.5930, -37.3190

Conversions

Conversions Part 2

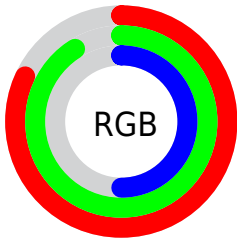
Format	Color
RYB	127, 232, 149
Decimal	13822079
CIELab	88.42, -22.94, 48.39
CIELCh	88, 53.552, 115.360
Yxy	72.9472, 0.3630, 0.4468
Android (android.graphics.Color)	4292012159 (0xFFD2E87F)
YUV	213.4520, -42.6208, -3.0274
Hunter-Lab	85.4091, -25.6046, 38.2297

Details

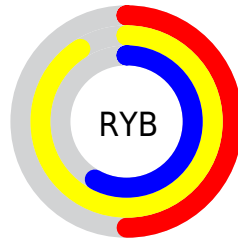
The Yxy color **72.9472, 0.3630, 0.4468** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.4164, 0.2438, 0.1933**, and the grayscale version is **67.1424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **38.4287, 0.3717, 0.4742** is the 20% darker color. If you saturate the color by 10%, you get **71.7096, 0.3716, 0.4712**, and if you desaturate by 10%, it is **74.3524, 0.3529, 0.4207**.

Distribution



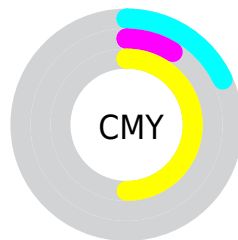
- Red (82%)
- Green (91%)
- Blue (50%)



- Red (50%)
- Yellow (91%)
- Blue (58%)



- Cyan (9%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9472, 0.3630, 0.4468 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 72.9472, 0.3630, 0.4468 by changing the saturation by 10% instead.


 72.9472, 0.3630,
0.4468


 72.9472, 0.3630,
0.4468


470.8318, 0.3421,
0.3911


 53.9328, 0.3669,
0.4594


 123.4023, 0.3564,
0.4275

 38.5479, 0.3713,
0.4749


 155.6117, 0.3536,
0.4199

 26.4082, 0.3759,
0.4941


 192.9882, 0.3511,
0.4135

 17.1293, 0.3803,
0.5183

235.9163, 0.3489,
0.4078

 10.3267, 0.3832,
0.5489

284.7803, 0.3469,
0.4029

 5.6161, 0.3915,
0.6039


339.9646, 0.3452,

 2.6131, 0.3648,

0.3985

0.6352


401.8537, 0.3435,
0.3946


 0.9332, 0.2591,
0.7409


 0.0000, 0.0000,
0.0000


 72.9472, 0.3630,
0.4468


 72.9472, 0.3630,
0.4468


 71.7096, 0.3716,
0.4712

 74.3524, 0.3529,
0.4207


 70.6199, 0.3783,
0.4927


 75.9243, 0.3418,
0.3939

 69.6702, 0.3825,
0.5104

 77.6744, 0.3302,
0.3674


 68.8476, 0.3841,
0.5235


 79.6104, 0.3187,
0.3418

 68.1363, 0.3832,
0.5319


 81.7394, 0.3074,
0.3177

 67.8246, 0.3821,
0.5348

 83.3216, 0.3033,
0.3061

 84.1813, 0.3065,
0.3063

 85.0640, 0.3097,
0.3065

 85.9698, 0.3130,
0.3068

Harmonies

Analogous

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



72.9472, 0.4150, 0.4242



72.9472, 0.3630, 0.4468



72.9472, 0.3005, 0.4306

Triad

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



72.9472, 0.3630, 0.4468



72.9472, 0.1991, 0.2584



72.9472, 0.3801, 0.2857

Complementary

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



72.9472, 0.3630, 0.4468



27.4164, 0.2438, 0.1933

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.



72.9472, 0.3146, 0.2502



72.9472, 0.3630, 0.4468



72.9472, 0.2149, 0.2328

Square

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



72.9472, 0.3630, 0.4468



72.9472, 0.2088, 0.3090



72.9472, 0.2550, 0.2311



72.9472, 0.4283, 0.3317

Rectangle

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



72.9472, 0.3630, 0.4468



72.9472, 0.2614, 0.3969



72.9472, 0.2550, 0.2311



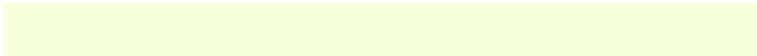
72.9472, 0.3590, 0.2724

Sweetspot

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



72.9505, 0.3630, 0.4468



96.5172, 0.3289, 0.3643



39.8849, 0.4227, 0.3533



20.5526, 0.3314, 0.3700



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.



72.9505, 0.3630, 0.4468



88.9976, 0.3709, 0.4690



66.5750, 0.3258, 0.4625



16.6566, 0.3235, 0.3524



37.7070, 0.3828, 0.5343



2.8248, 0.3884, 0.5298

Inverse Universe

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



27.4164, 0.2438, 0.1933



26.1412, 0.2268, 0.1632



33.3709, 0.2885, 0.2088



14.0321, 0.3013, 0.3049



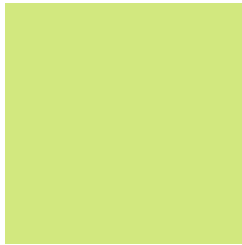
3.6362, 0.1608, 0.0660



0.3081, 0.1745, 0.0735

Previews

White Background



This preview shows how the Yxy color 72.9472, 0.3630, 0.4468 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 72.9472, 0.3630, 0.4468 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 72.9472, 0.3630, 0.4468

Background



This preview shows how black text looks on a background with the Yxy color 72.9472, 0.3630, 0.4468.

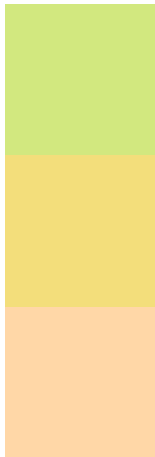


This preview shows how white text looks on a background with the Yxy color 72.9472, 0.3630, 0.4468.

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

72.9472, 0.3630, 0.4468

Protanopia

72.7273, 0.3952, 0.4312

Deuteranopia

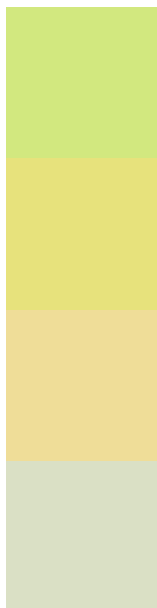
72.6509, 0.3778, 0.3785



Tritanopia

72.4654, 0.3038, 0.3098

Trichromacy



Original Color

72.9472, 0.3630, 0.4468

Protanomaly

72.8369, 0.3834, 0.4377

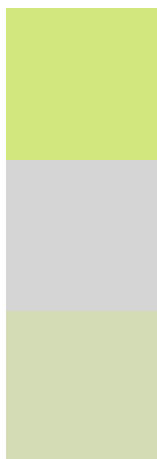
Deuteranomaly

72.3306, 0.3738, 0.4028

Tritanomaly

72.2480, 0.3263, 0.3591

Monochromacy



Original Color

72.9472, 0.3630, 0.4468

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.5608, 0.3325, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9472, 0.3630, 0.4468 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(210, 232, 127)` looks like.

```
.text, #text, p{  
    color:rgb(210, 232, 127)  
}
```

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(210, 232, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 232, 127) }
```

Border

The CSS property to change the border of an element to Yxy 72.9472, 0.3630, 0.4468 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(210, 232, 127) }
```

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

```
.border{ border-color:rgb(210, 232, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 232, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 232, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 232, 127);  
box-shadow:4px 4px 4px 4px rgb(210, 232,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9472, 0.3630, 0.4468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 232, 127) }
```

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

```
.background{ background-color: rgb(210,  
232, 127) }
```

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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