

Converting Colors

$Y_{xy}(72.3727, 0.3720, 0.4649)$

Have a look what the booklet for
Yxy(72.3727, 0.3720, 0.4649)
contains.

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Color

Yxy(72.3727, 0.3720, 0.4649)

Conversions

Conversions Part 1

Format	Color
Hex	D1E86D
RGB	209, 232, 109
RGB Percent	82%, 91%, 43%
CMY	0.1804, 0.0902, 0.5725
CMYK	0.10, 0.00, 0.53, 0.09
HSL	71°, 73%, 67%
HSV	71°, 53%, 91%
XYZ	57.9106, 72.3727, 25.3904
YIQ	211.1010, 25.7750, -43.1290

Conversions

Conversions Part 2

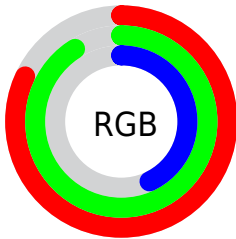
Format	Color
RYB	109, 232, 132
Decimal	13756525
CIELab	88.15, -25.03, 56.46
CIElCh	88, 61.763, 113.910
Yxy	72.3727, 0.3720, 0.4649
Android (android.graphics.Color)	4291946605 (0xFFD1E86D)
YUV	211.1010, -50.3358, -1.8426
Hunter-Lab	85.0721, -27.3671, 41.8550

Details

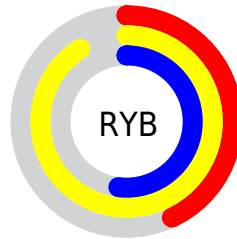
The Yxy color **72.3727, 0.3720, 0.4649** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.6771, 0.2270, 0.1665**, and the grayscale version is **65.5402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4603, 0.3666, 0.4181**, and **38.0019, 0.3808, 0.4962** is the 20% darker color. If you saturate the color by 10%, you get **71.3157, 0.3795, 0.4867**, and if you desaturate by 10%, it is **73.5854, 0.3626, 0.4404**.

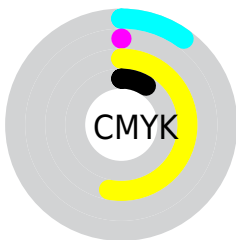
Distribution



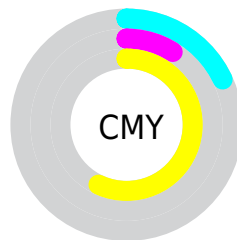
- Red (82%)
- Green (91%)
- Blue (43%)



- Red (43%)
- Yellow (91%)
- Blue (52%)



- Cyan (10%)
- Magenta (0%)
- Yellow (53%)
- Black (9%)




- Cyan (18%)
- Magenta (9%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3727, 0.3720, 0.4649 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 72.3727, 0.3720, 0.4649 by changing the saturation by 10% instead.


 72.3727, 0.3720,
0.4649


 72.3727, 0.3720,
0.4649


468.8378, 0.3480,
0.4011

 53.4632, 0.3762,
0.4791


 122.5863, 0.3646,
0.4429


 38.1727, 0.3806,
0.4963


 154.6591, 0.3615,
0.4343

 26.1167, 0.3848,
0.5171


 191.8885, 0.3586,
0.4269

 16.9110, 0.3880,
0.5427

 234.6589, 0.3561,
0.4204

 10.1710, 0.3886,
0.5746

283.3546, 0.3538,
0.4147

 5.5125, 0.3837,
0.6163

338.3600, 0.3517,

 2.5510, 0.3521,

0.4096

0.6479

400.0597, 0.3498,
0.4051

0.9021, 0.2144,
0.7856

0.0000, 0.0000,
0.0000

72.3727, 0.3720,
0.4649

72.3727, 0.3720,
0.4649

71.3157, 0.3795,
0.4867

73.5854, 0.3626,
0.4404

70.3938, 0.3847,
0.5048


74.9535, 0.3517,
0.4144

69.5978, 0.3873,
0.5185


76.4890, 0.3401,
0.3878

68.9129, 0.3873,
0.5275


78.2000, 0.3281,
0.3615


 68.4837, 0.3861,
0.5316

 80.0940, 0.3162,
0.3363

 82.1780, 0.3047,
0.3126

 83.3549, 0.3034,
0.3061

 84.1213, 0.3063,
0.3063

 84.9060, 0.3091,
0.3065

Harmonies

Analogous

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



72.3727, 0.4311, 0.4342



72.3727, 0.3720, 0.4649



72.3727, 0.3007, 0.4506

Triad

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



72.3727, 0.3720, 0.4649



72.3727, 0.1839, 0.2494



72.3727, 0.3869, 0.2771

Complementary

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



72.3727, 0.3720, 0.4649



21.6771, 0.2270, 0.1665

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.



72.3727, 0.3106, 0.2382



72.3727, 0.3720, 0.4649



72.3727, 0.2003, 0.2202

Square

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



72.3727, 0.3720, 0.4649



72.3727, 0.1957, 0.3081



72.3727, 0.2436, 0.2178



72.3727, 0.4446, 0.3279

Rectangle

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



72.3727, 0.3720, 0.4649



72.3727, 0.2559, 0.4120



72.3727, 0.2436, 0.2178



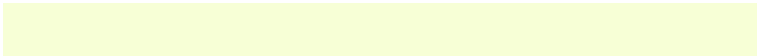
72.3727, 0.3620, 0.2624

Sweetspot

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



72.3760, 0.3720, 0.4649



96.2258, 0.3318, 0.3695



34.6476, 0.4527, 0.3546



20.5015, 0.3343, 0.3749



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.



72.3760, 0.3720, 0.4649



88.2100, 0.3804, 0.4893



65.1147, 0.3279, 0.4871



16.6737, 0.3239, 0.3524



38.0686, 0.3867, 0.5312



2.8485, 0.3917, 0.5272

Inverse Universe

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



21.6771, 0.2270, 0.1665



19.0022, 0.2055, 0.1305



28.1142, 0.2808, 0.1878



14.0163, 0.3009, 0.3049



3.5645, 0.1589, 0.0649



0.3006, 0.1720, 0.0721

Previews

White Background



This preview shows how the Yxy color 72.3727, 0.3720, 0.4649 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 72.3727, 0.3720, 0.4649 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 72.3727, 0.3720, 0.4649

Background



This preview shows how black text looks on a background with the Yxy color 72.3727, 0.3720, 0.4649.



This preview shows how white text looks on a background with the Yxy color 72.3727, 0.3720, 0.4649.

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

72.3727, 0.3720, 0.4649

Protanopia

71.9659, 0.4070, 0.4457

Deuteranopia

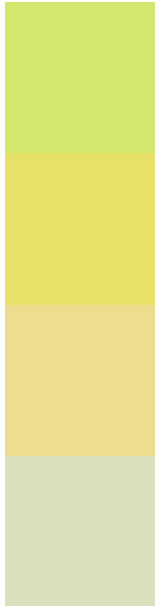
71.9263, 0.3826, 0.3837



Tritanopia

71.8869, 0.3044, 0.3098

Trichromacy



Original Color

72.3727, 0.3720, 0.4649

Protanomaly

71.8800, 0.3940, 0.4533

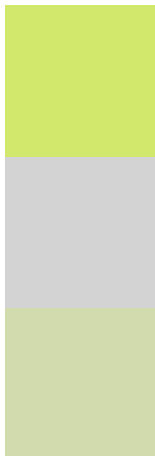
Deuteranomaly

71.8430, 0.3797, 0.4133

Tritanomaly

71.3985, 0.3311, 0.3660

Monochromacy



Original Color

72.3727, 0.3720, 0.4649

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

67.4207, 0.3366, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3727, 0.3720, 0.4649 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(209, 232, 109)` looks like.

```
.text, #text, p{  
    color:rgb(209, 232, 109)  
}
```

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(209, 232, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 232, 109) }
```

Border

The CSS property to change the border of an element to Yxy 72.3727, 0.3720, 0.4649 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(209, 232, 109) }
```

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

```
.border{ border-color:rgb(209, 232, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 232, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 232, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 232, 109);  
box-shadow:4px 4px 4px 4px rgb(209, 232,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3727, 0.3720, 0.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 232, 109) }
```

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

```
.background{ background-color: rgb(209,  
232, 109) }
```

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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