

Converting Colors

$Y_{xy}(72.7001, 0.3684, 0.4430)$

Have a look what the booklet for
Yxy(72.7001, 0.3684, 0.4430)
contains.

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Color

Yxy(72.7249, 0.3683, 0.4432)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D8E67F |
| RGB | 216, 230, 127 |
| RGB Percent | 85%, 90%, 50% |
| CMY | 0.1532, 0.0980, 0.5019 |
| CMYK | 0.06, 0.00, 0.45, 0.10 |
| HSL | 68°, 67%, 70% |
| HSV | 68°, 45%, 90% |
| XYZ | 60.4345, 72.7249, 30.9311 |
| YIQ | 214.0720, 24.7190, -35.0010 |

Conversions

Conversions Part 2

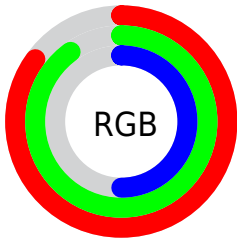
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 127, 230, 141 |
| Decimal | 14214783 |
| CIELab | 88.32, -19.69, 48.38 |
| CIELCh | 88, 52.234, 112.144 |
| Yxy | 72.7249, 0.3683, 0.4432 |
| Android (android.graphics.Color) | 4292404863 (0xFFD8E67F) |
| YUV | 214.0720, -42.9265, 1.6909 |
| Hunter-Lab | 85.2789, -22.7406, 38.1905 |

Details

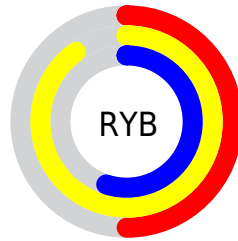
The Yxy color **72.7249, 0.3683, 0.4432** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.5638, 0.2387, 0.1929**, and the grayscale version is **67.5748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **38.5389, 0.3772, 0.4705** is the 20% darker color. If you saturate the color by 10%, you get **71.7213, 0.3784, 0.4664**, and if you desaturate by 10%, it is **73.8811, 0.3568, 0.4181**.

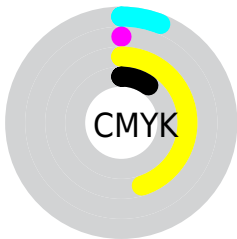
Distribution



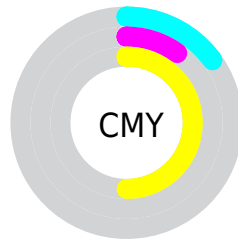
- Red (85%)
- Green (90%)
- Blue (50%)



- Red (50%)
- Yellow (90%)
- Blue (55%)



- Cyan (6%)
- Magenta (0%)
- Yellow (45%)
- Black (10%)




- Cyan (15%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7249, 0.3683, 0.4432 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 72.7249, 0.3683, 0.4432 by changing the saturation by 10% instead.


 72.7249, 0.3683,
0.4432

 72.7249, 0.3683,
0.4432


470.0608, 0.3448,
0.3896

 53.7510, 0.3729,
0.4553


 123.0866, 0.3607,
0.4246

 38.4027, 0.3780,
0.4700


 155.2432, 0.3576,
0.4174

 26.2954, 0.3836,
0.4882


 192.5629, 0.3548,
0.4111

 17.0447, 0.3894,
0.5110

235.4300, 0.3524,
0.4057

 10.2664, 0.3941,
0.5396

284.2290, 0.3502,
0.4009

 5.5759, 0.4055,
0.5912

339.3442, 0.3482,

 2.5890, 0.3824,

0.3967

0.6176

401.1600, 0.3464,
0.3929

0.9211, 0.2998,
0.7002

0.0000, 0.0000,
0.0000

72.7249, 0.3683,
0.4432

72.7249, 0.3683,
0.4432

71.7213, 0.3784,
0.4664

73.8811, 0.3568,
0.4181

70.8510, 0.3864,
0.4866


75.1887, 0.3443,
0.3920


70.1065, 0.3921,
0.5028


76.6589, 0.3315,
0.3660


69.4756, 0.3951,
0.5146

78.2989, 0.3187,
0.3407


 68.9429, 0.3956,
0.5219

 80.1158, 0.3063,
0.3166

 68.6916, 0.3951,
0.5245

 81.4538, 0.3005,
0.3038

 81.9929, 0.3025,
0.3040

 82.5415, 0.3046,
0.3042

 83.0997, 0.3067,
0.3043

Harmonies

Analogous

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



72.7249, 0.4169, 0.4184



72.7249, 0.3683, 0.4432



72.7249, 0.3075, 0.4317

Triad

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



72.7249, 0.3683, 0.4432



72.7249, 0.2012, 0.2643



72.7249, 0.3721, 0.2824

Complementary

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



72.7249, 0.3683, 0.4432



26.5638, 0.2387, 0.1929

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.



72.7249, 0.3078, 0.2489



72.7249, 0.3683, 0.4432



72.7249, 0.2141, 0.2364

Square

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



72.7249, 0.3683, 0.4432



72.7249, 0.2136, 0.3162



72.7249, 0.2510, 0.2322



72.7249, 0.4220, 0.3267

Rectangle

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



72.7249, 0.3683, 0.4432



72.7249, 0.2684, 0.4013



72.7249, 0.2510, 0.2322



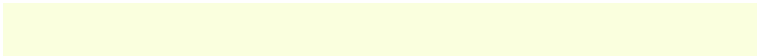
72.7249, 0.3511, 0.2697

Sweetspot

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



72.7282, 0.3683, 0.4432



97.1969, 0.3293, 0.3616



37.3318, 0.4249, 0.3452



20.7102, 0.3321, 0.3673



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.



72.7282, 0.3683, 0.4432



90.6760, 0.3779, 0.4653



66.1130, 0.3305, 0.4590



16.7121, 0.3247, 0.3524



38.9210, 0.3955, 0.5242



2.9038, 0.3992, 0.5212

Inverse Universe

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



26.5638, 0.2387, 0.1929



25.2565, 0.2198, 0.1603



32.1329, 0.2825, 0.2079



13.9811, 0.3001, 0.3048



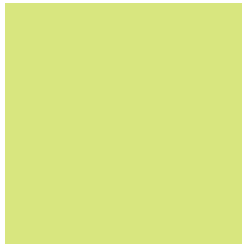
3.4335, 0.1554, 0.0630



0.2840, 0.1662, 0.0689

Previews

White Background



This preview shows how the Yxy color 72.7249, 0.3683, 0.4432 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 72.7249, 0.3683, 0.4432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

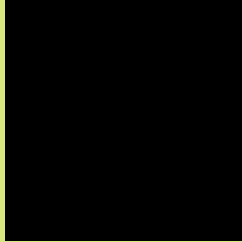
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7249, 0.3683, 0.4432

Background



This preview shows how black text looks on a background with the Yxy color 72.7249, 0.3683, 0.4432.



This preview shows how white text looks on a background with the Yxy color 72.7249, 0.3683, 0.4432.

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

72.7249, 0.3683, 0.4432

Protanopia

72.2228, 0.3951, 0.4294

Deuteranopia

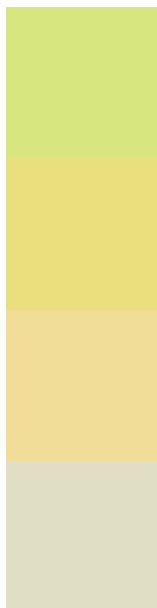
72.1063, 0.3789, 0.3786



Tritanopia

72.7990, 0.3093, 0.3111

Trichromacy



Original Color

72.7249, 0.3683, 0.4432

Protanomaly

72.1156, 0.3852, 0.4344

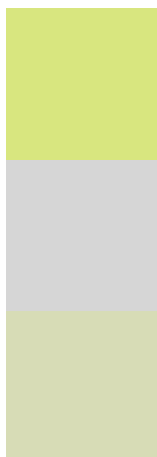
Deuteranomaly

72.1542, 0.3757, 0.4014

Tritanomaly

72.0754, 0.3316, 0.3577

Monochromacy



Original Color

72.7249, 0.3683, 0.4432

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

69.0109, 0.3348, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7249, 0.3683, 0.4432 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(216, 230, 127)` looks like.

```
.text, #text, p{  
    color:rgb(216, 230, 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(216, 230, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 230, 127) }
```

Border

The CSS property to change the border of an element to Yxy 72.7249, 0.3683, 0.4432 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(216, 230, 127) }
```

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

```
.border{ border-color:rgb(216, 230, 127) }
```

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

Here you see how a box with a 4 pixel rgb(216, 230, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 230, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 230, 127);  
box-shadow:4px 4px 4px 4px rgb(216, 230,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7249, 0.3683, 0.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 230, 127) }
```

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

```
.background{ background-color: rgb(216,  
230, 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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