

Converting Colors

$Y_{xy}(72.3356, 0.3531, 0.3872)$

Have a look what the booklet for
Yxy(72.3356, 0.3531, 0.3872)
contains.

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Color

Yxy(72.3356, 0.3531, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	E5DFAA
RGB	229, 223, 170
RGB Percent	90%, 87%, 67%
CMY	0.1018, 0.1255, 0.3333
CMYK	0.00, 0.03, 0.26, 0.10
HSL	54°, 53%, 78%
HSV	54°, 26%, 90%
XYZ	65.9651, 72.3356, 48.5164
YIQ	218.7520, 20.5890, -15.2110

Conversions

Conversions Part 2

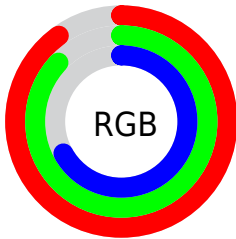
Format	Color
RYB	177, 229, 170
Decimal	15065002
CIELab	88.13, -6.15, 26.78
CIELCh	88, 27.473, 102.936
Yxy	72.3356, 0.3531, 0.3872
Android (android.graphics.Color)	4293255082 (0xFFE5DFAA)
YUV	218.7520, -24.0347, 8.9875
Hunter-Lab	85.0503, -10.3933, 25.7136

Details

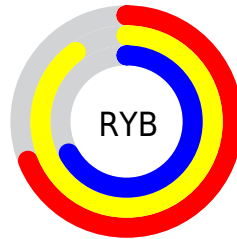
The Yxy color **72.3356, 0.3531, 0.3872** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.2742, 0.2690, 0.2632**, and the grayscale version is **70.8216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **38.1739, 0.3626, 0.4018** is the 20% darker color. If you saturate the color by 10%, you get **70.3022, 0.3694, 0.4098**, and if you desaturate by 10%, it is **74.5439, 0.3369, 0.3642**.

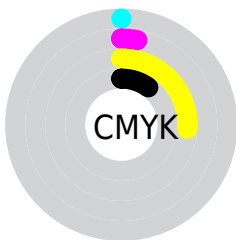
Distribution



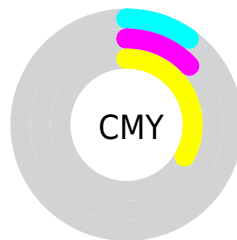
- Red (90%)
- Green (87%)
- Blue (67%)



- Red (69%)
- Yellow (90%)
- Blue (67%)



- Cyan (0%)
- Magenta (3%)
- Yellow (26%)
- Black (10%)





- Cyan (10%)
- Magenta (13%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3356, 0.3531, 0.3872 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 72.3356, 0.3531, 0.3872 by changing the saturation by 10% instead.

 72.3356, 0.3531,
0.3872

 72.3356, 0.3531,
0.3872

468.7089, 0.3347,
0.3600

 53.4329, 0.3572,
0.3934


 122.5335, 0.3468,
0.3778

 38.1484, 0.3621,
0.4011


154.5975, 0.3443,
0.3741

 26.0979, 0.3683,
0.4108


191.8174, 0.3422,
0.3709

 16.8969, 0.3761,
0.4233

234.5776, 0.3403,
0.3682

 10.1610, 0.3861,
0.4401

283.2624, 0.3387,
0.3658

 5.5058, 0.3992,
0.4635

338.2563, 0.3372,

 2.5470, 0.4268,

0.3636

0.5104

399.9437, 0.3359,
0.3617

0.9001, 0.4393,
0.5607

0.0000, 0.0000,
0.0000

72.3356, 0.3531,
0.3872

72.3356, 0.3531,
0.3872

70.3022, 0.3694,
0.4098

74.5439, 0.3369,
0.3642

68.4260, 0.3852,
0.4312

76.9246, 0.3213,
0.3417

66.7016, 0.4000,
0.4505

79.4879, 0.3066,
0.3200

65.1195, 0.4131,
0.4665

81.8065, 0.2967,
0.3060

63.6691, 0.4238,
0.4785

83.1379, 0.2968,
0.3084

62.3378, 0.4318,
0.4861

84.4869, 0.2968,
0.3108

61.1101, 0.4371,
0.4893

85.8538, 0.2968,
0.3132

60.6117, 0.4388,
0.4898

87.2384, 0.2968,
0.3156

88.6409, 0.2969,
0.3180

Harmonies

Analogous

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



72.3356, 0.3741, 0.3731



72.3356, 0.3531, 0.3872



72.3356, 0.3219, 0.3848

Triad

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



72.3356, 0.3531, 0.3872



72.3356, 0.2514, 0.3035



72.3356, 0.3346, 0.2968

Complementary

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



72.3356, 0.3531, 0.3872



45.2742, 0.2690, 0.2632

Split Complementary

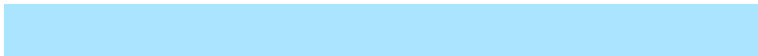
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.3356, 0.3008, 0.2800



72.3356, 0.3531, 0.3872



72.3356, 0.2543, 0.2825

Square

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



72.3356, 0.3531, 0.3872



72.3356, 0.2639, 0.3339



72.3356, 0.2718, 0.2745



72.3356, 0.3634, 0.3214

Rectangle

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



72.3356, 0.3531, 0.3872



72.3356, 0.2997, 0.3731



72.3356, 0.2718, 0.2745



72.3356, 0.3233, 0.2901

Sweetspot

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



72.3389, 0.3531, 0.3872



97.4301, 0.3248, 0.3467



48.5848, 0.3612, 0.3212



20.7542, 0.3272, 0.3501



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.



72.3389, 0.3531, 0.3872



90.8586, 0.3619, 0.3995



72.1414, 0.3348, 0.3969



16.5518, 0.3270, 0.3499



34.7458, 0.4384, 0.4901



2.6407, 0.4353, 0.4926

Inverse Universe

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



45.2742, 0.2690, 0.2632



50.7422, 0.2584, 0.2470



45.6992, 0.2858, 0.2590



14.1233, 0.2980, 0.3072



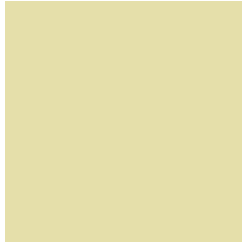
3.6759, 0.1520, 0.0673



0.3523, 0.1568, 0.0845

Previews

White Background



This preview shows how the Yxy color 72.3356, 0.3531, 0.3872 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 72.3356, 0.3531, 0.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

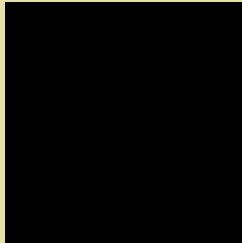
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

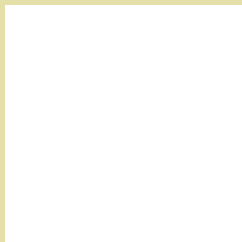
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.3356, 0.3531, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 72.3356, 0.3531, 0.3872.



This preview shows how white text looks on a background with the Yxy color 72.3356, 0.3531, 0.3872.

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

72.3356, 0.3531, 0.3872

Protanopia

72.4103, 0.3597, 0.3852

Deuteranopia

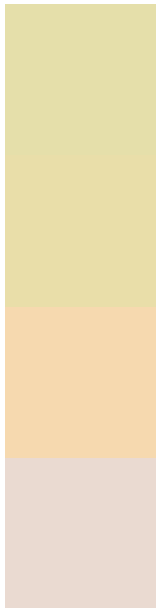
72.0629, 0.3703, 0.3652



Tritanopia

72.4316, 0.3172, 0.3113

Trichromacy



Original Color

72.3356, 0.3531, 0.3872

Protanomaly

72.4308, 0.3571, 0.3867

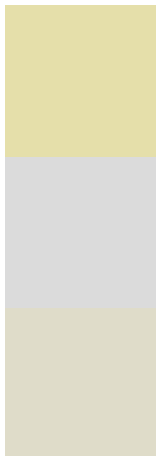
Deuteranomaly

72.3137, 0.3643, 0.3734

Tritanomaly

72.2387, 0.3306, 0.3387

Monochromacy



Original Color

72.3356, 0.3531, 0.3872

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.0914, 0.3277, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3356, 0.3531, 0.3872 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(229, 223, 170)` looks like.

```
.text, #text, p{  
    color:rgb(229, 223, 170)  
}
```

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(229, 223, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 223, 170) }
```

Border

The CSS property to change the border of an element to Yxy 72.3356, 0.3531, 0.3872 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(229, 223, 170) }
```

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

```
.border{ border-color:rgb(229, 223, 170) }
```

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

Here you see how a box with a 4 pixel rgb(229, 223, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 223, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 223, 170);  
box-shadow:4px 4px 4px 4px rgb(229, 223,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3356, 0.3531, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 223, 170) }
```

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

```
.background{ background-color: rgb(229,  
223, 170) }
```

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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