

Converting Colors

$Y_{xy}(72.2355, 0.3325, 0.3487)$

Have a look what the booklet for
Yxy(72.2355, 0.3325, 0.3487)
contains.

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Color

Yxy(72.2737, 0.3322, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	E6DCCA
RGB	230, 220, 202
RGB Percent	90%, 86%, 79%
CMY	0.0980, 0.1373, 0.2077
CMYK	0.00, 0.04, 0.12, 0.10
HSL	39°, 36%, 85%
HSV	39°, 12%, 90%
XYZ	68.8933, 72.2737, 66.2181
YIQ	220.9380, 11.7380, -3.4780

Conversions

Conversions Part 2

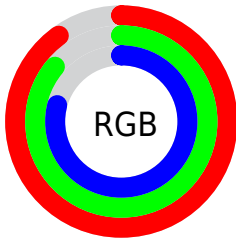
Format	Color
R _Y B	218, 230, 202
Decimal	15129802
CIE Lab	88.10, 0.43, 10.04
CIE LCh	88, 10.045, 87.526
Yxy	72.2737, 0.3322, 0.3485
Android (android.graphics.Color)	4293319882 (0xFFE6DCCA)
YUV	220.9380, -9.3364, 7.9474
Hunter-Lab	85.0139, -4.1221, 13.3283

Details

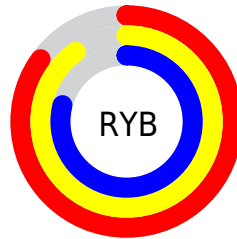
The Yxy color **72.2737, 0.3322, 0.3485** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.3884, 0.2937, 0.3087**, and the grayscale version is **72.3256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.0471, 0.3365, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **67.0508, 0.3501, 0.3653**, and if you desaturate by 10%, it is **77.8783, 0.3160, 0.3324**.

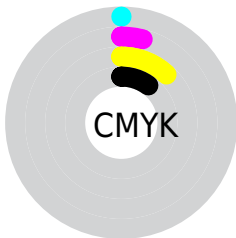
Distribution



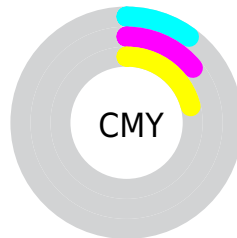
- Red (90%)
- Green (86%)
- Blue (79%)



- Red (85%)
- Yellow (90%)
- Blue (79%)



- Cyan (0%)
- Magenta (4%)
- Yellow (12%)
- Black (10%)



- Cyan (10%)
- Magenta (14%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2737, 0.3322, 0.3485 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 72.2737, 0.3322, 0.3485 by changing the saturation by 10% instead.

72.2737, 0.3322,
0.3485

72.2737, 0.3322,
0.3485

468.4937, 0.3232,
0.3395

53.3823, 0.3343,
0.3506

122.4456, 0.3291,
0.3454

38.1080, 0.3368,
0.3531

154.4948, 0.3278,
0.3441

26.0666, 0.3401,
0.3564

191.6988, 0.3268,
0.3431

16.8734, 0.3443,
0.3606

234.4420, 0.3259,
0.3422

10.1443, 0.3502,
0.3664

283.1086, 0.3251,
0.3414

5.4947, 0.3585,
0.3747

338.0832, 0.3244,

2.5404, 0.3717,

0.3407

0.3876

399.7501, 0.3237,
0.3400

0.8968, 0.4242,
0.4408

0.0000, 0.0000,
0.0000

72.2737, 0.3322,
0.3485

72.2737, 0.3322,
0.3485

67.0508, 0.3501,
0.3653

77.8783, 0.3160,
0.3324

62.1898, 0.3697,
0.3824

83.8647, 0.3015,
0.3172

57.6831, 0.3907,
0.3992

89.1687, 0.2975,
0.3186

53.5192, 0.4126,
0.4147

94.2540, 0.2976,
0.3269

■ 49.6857, 0.4345,
0.4280

■ 95.5652, 0.2976,
0.3290

■ 46.1690, 0.4557,
0.4378

■ 42.9538, 0.4747,
0.4431

■ 40.0225, 0.4908,
0.4432

■ 37.9033, 0.5014,
0.4401

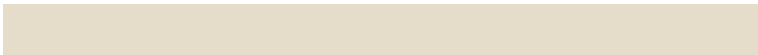
Harmonies

Analogous

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



72.2737, 0.3366, 0.3417



72.2737, 0.3322, 0.3485



72.2737, 0.3226, 0.3502

Triad

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



72.2737, 0.3322, 0.3485



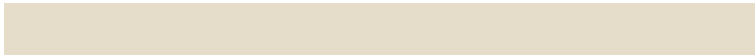
72.2737, 0.2915, 0.3257



72.2737, 0.3146, 0.3130

Complementary

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



72.2737, 0.3322, 0.3485



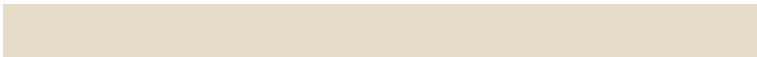
65.3884, 0.2937, 0.3087

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.



72.2737, 0.3026, 0.3087



72.2737, 0.3322, 0.3485



72.2737, 0.2894, 0.3158

Square

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



72.2737, 0.3322, 0.3485



72.2737, 0.2991, 0.3368



72.2737, 0.2934, 0.3096



72.2737, 0.3263, 0.3213

Rectangle

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



72.2737, 0.3322, 0.3485



72.2737, 0.3146, 0.3479



72.2737, 0.2934, 0.3096



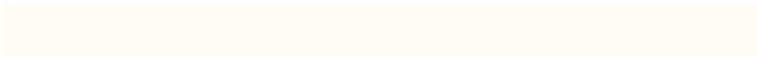
72.2737, 0.3105, 0.3110

Sweetspot

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



72.2769, 0.3322, 0.3485



97.0528, 0.3189, 0.3353



63.8519, 0.3270, 0.3179



20.6565, 0.3201, 0.3365



0.0000, 0.0000, 0.0000



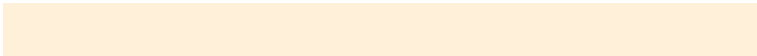
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2769, 0.3322, 0.3485



89.3496, 0.3373, 0.3534



77.0817, 0.3282, 0.3592



15.9037, 0.3276, 0.3441



21.6952, 0.4997, 0.4414



1.7773, 0.4849, 0.4532

Inverse Universe

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



65.3884, 0.2937, 0.3087



78.7736, 0.2889, 0.3034



61.0607, 0.2961, 0.2974



14.7273, 0.2981, 0.3135



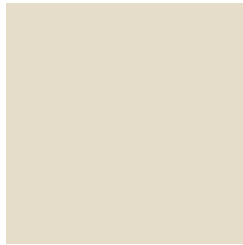
6.8898, 0.1652, 0.1148



0.6800, 0.1734, 0.1441

Previews

White Background



This preview shows how the Yxy color 72.2737, 0.3322, 0.3485 looks on a white background.

Color Contrast Check

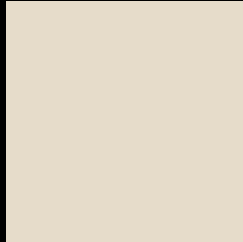
Large Text (above 18pt) WCAG AA × Fail

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 72.2737, 0.3322, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

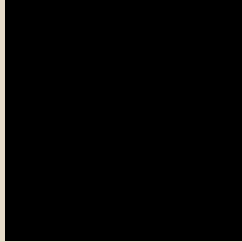
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

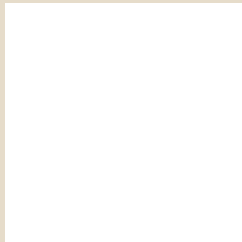
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2737, 0.3322, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 72.2737, 0.3322, 0.3485.

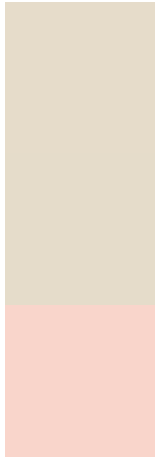


This preview shows how white text looks on a background with the Yxy color 72.2737, 0.3322, 0.3485.

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

72.2737, 0.3322, 0.3485

Protanopia

72.1087, 0.3315, 0.3486

Deuteranopia

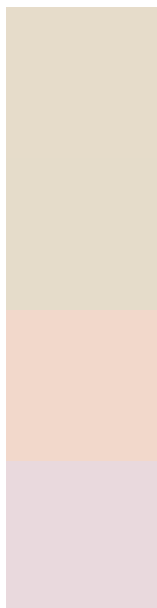
72.0400, 0.3470, 0.3395



Tritanopia

72.4304, 0.3149, 0.3123

Trichromacy



Original Color

72.2737, 0.3322, 0.3485

Protanomaly

72.1087, 0.3315, 0.3486

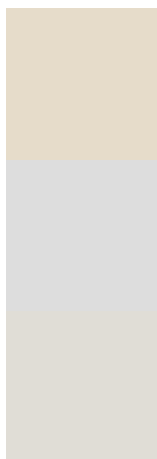
Deuteranomaly

72.3008, 0.3411, 0.3428

Tritanomaly

72.1698, 0.3216, 0.3248

Monochromacy



Original Color

72.2737, 0.3322, 0.3485

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.4152, 0.3195, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2737, 0.3322, 0.3485 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(230, 220, 202)` looks like.

```
.text, #text, p{  
    color:rgb(230, 220, 202)  
}
```

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(230, 220, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 220, 202) }
```

Border

The CSS property to change the border of an element to Yxy 72.2737, 0.3322, 0.3485 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(230, 220, 202) }
```

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

```
.border{ border-color:rgb(230, 220, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 220, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 220, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 220, 202);  
box-shadow:4px 4px 4px 4px rgb(230, 220,  
202) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 72.2737, 0.3322, 0.3485$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 220, 202) }
```

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

```
.background{ background-color: rgb(230,  
220, 202) }
```

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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