

Converting Colors

$Y_{xy}(72.2238, 0.3625, 0.3953)$

Have a look what the booklet for
Yxy(72.2238, 0.3625, 0.3953)
contains.

Yxy(72.1394, 0.3626, 0.3954)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.1394, 0.3626, 0.3954)

Conversions

Conversions Part 1

Format	Color
Hex	E9DEA1
RGB	233, 222, 161
RGB Percent	91%, 87%, 63%
CMY	0.0863, 0.1294, 0.3687
CMYK	0.00, 0.05, 0.31, 0.09
HSL	51°, 62%, 77%
HSV	51°, 31%, 91%
XYZ	66.1552, 72.1394, 44.1521
YIQ	218.3350, 26.1370, -16.6390

Conversions

Conversions Part 2

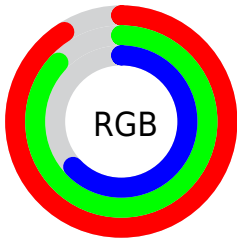
Format	Color
RYB	174, 233, 161
Decimal	15326881
CIELab	88.04, -5.32, 31.34
CIElCh	88, 31.786, 99.633
Yxy	72.1394, 0.3626, 0.3954
Android (android.graphics.Color)	4293516961 (0xFFE9DEA1)
YUV	218.3350, -28.2662, 12.8612
Hunter-Lab	84.9349, -9.6038, 28.6335

Details

The Yxy color **72.1394, 0.3626, 0.3954** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.9535, 0.2595, 0.2524**, and the grayscale version is **70.5402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **37.9717, 0.3731, 0.4108** is the 20% darker color. If you saturate the color by 10%, you get **69.5283, 0.3796, 0.4166**, and if you desaturate by 10%, it is **74.9500, 0.3457, 0.3736**.

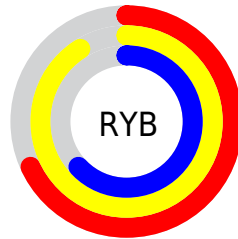
Distribution



Red (91%)

Green (87%)

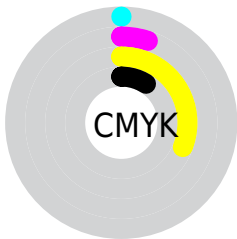
Blue (63%)



Red (68%)

Yellow (91%)

Blue (63%)

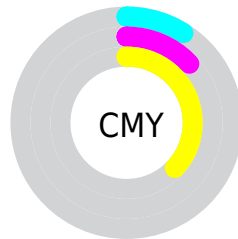


Cyan (0%)

Magenta (5%)

Yellow (31%)

Black (9%)



Cyan (9%)


Magenta (13%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1394, 0.3626, 0.3954 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 72.1394, 0.3626, 0.3954 by changing the saturation by 10% instead.

 72.1394, 0.3626,
0.3954


 72.1394, 0.3626,
0.3954


468.0267, 0.3399,
0.3646

 53.2726, 0.3676,
0.4024


 122.2547, 0.3549,
0.3847

 38.0204, 0.3736,
0.4110


 154.2719, 0.3518,
0.3806

 25.9985, 0.3811,
0.4217


191.4415, 0.3492,
0.3770

 16.8225, 0.3904,
0.4354

234.1476, 0.3469,
0.3738

 10.1080, 0.4022,
0.4535

282.7748, 0.3448,
0.3711

 5.4707, 0.4169,
0.4777

337.7075, 0.3430,

 2.5260, 0.4597,

0.3687

0.5403

399.3299, 0.3414,
0.3665

0.8896, 0.4458,
0.5542

0.0000, 0.0000,
0.0000

72.1394, 0.3626,
0.3954

72.1394, 0.3626,
0.3954

69.5283, 0.3796,
0.4166

74.9500, 0.3457,
0.3736

67.0980, 0.3962,
0.4362

77.9584, 0.3294,
0.3519

64.8423, 0.4116,
0.4533

81.1753, 0.3140,
0.3308

62.7505, 0.4251,
0.4668

84.6080, 0.2998,
0.3109

■ 60.8103, 0.4361,
0.4760

■ 86.7289, 0.2993,
0.3137

■ 59.0072, 0.4443,
0.4805

■ 88.8386, 0.2993,
0.3173

■ 57.4638, 0.4495,
0.4813

■ 90.9896, 0.2993,
0.3209

■ 93.1819, 0.2993,
0.3244

■ 95.4158, 0.2993,
0.3280

Harmonies

Analogous

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



72.1394, 0.3853, 0.3768



72.1394, 0.3626, 0.3954



72.1394, 0.3272, 0.3955

Triad

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



72.1394, 0.3626, 0.3954



72.1394, 0.2430, 0.3026



72.1394, 0.3336, 0.2894

Complementary

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



72.1394, 0.3626, 0.3954



42.9535, 0.2595, 0.2524

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.



72.1394, 0.2946, 0.2715



72.1394, 0.3626, 0.3954



72.1394, 0.2444, 0.2771

Square

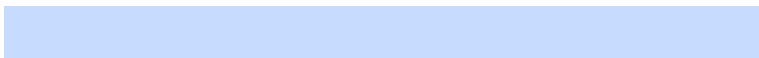
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1394, 0.3626, 0.3954



72.1394, 0.2590, 0.3386



72.1394, 0.2626, 0.2667



72.1394, 0.3685, 0.3166

Rectangle

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



72.1394, 0.3626, 0.3954



72.1394, 0.3016, 0.3834



72.1394, 0.2626, 0.2667



72.1394, 0.3205, 0.2822

Sweetspot

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



72.1427, 0.3626, 0.3954



96.3965, 0.3265, 0.3479



45.8262, 0.3710, 0.3155



20.5124, 0.3288, 0.3510



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.



72.1427, 0.3626, 0.3954



86.5025, 0.3733, 0.4088



74.3982, 0.3416, 0.4109



17.2128, 0.3272, 0.3488



32.7573, 0.4490, 0.4817



2.6781, 0.4442, 0.4855

Inverse Universe

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



42.9535, 0.2595, 0.2524



45.4351, 0.2471, 0.2338



41.6835, 0.2763, 0.2427



14.9197, 0.2980, 0.3084



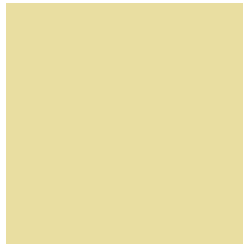
4.1503, 0.1536, 0.0728



0.4394, 0.1595, 0.0942

Previews

White Background



This preview shows how the Yxy color 72.1394, 0.3626, 0.3954 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 72.1394, 0.3626, 0.3954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

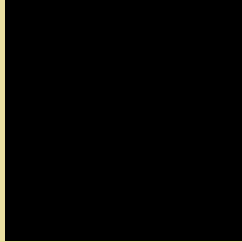
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1394, 0.3626, 0.3954

Background



This preview shows how black text looks on a background with the Yxy color 72.1394, 0.3626, 0.3954.



This preview shows how white text looks on a background with the Yxy color 72.1394, 0.3626, 0.3954.

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

72.1394, 0.3626, 0.3954

Protanopia

72.2555, 0.3667, 0.3947

Deuteranopia

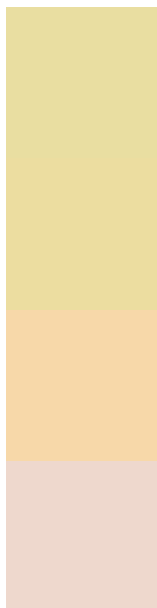
71.9045, 0.3733, 0.3694



Tritanopia

72.0024, 0.3216, 0.3114

Trichromacy



Original Color

72.1394, 0.3626, 0.3954

Protanomaly

72.0838, 0.3659, 0.3949

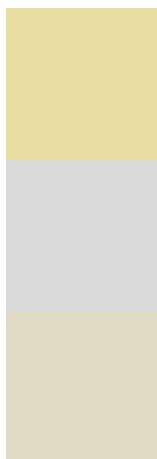
Deuteranomaly

71.7505, 0.3698, 0.3786

Tritanomaly

71.6967, 0.3367, 0.3408

Monochromacy



Original Color

72.1394, 0.3626, 0.3954

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.3822, 0.3306, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1394, 0.3626, 0.3954 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(233, 222, 161)` looks like.

```
.text, #text, p{  
    color:rgb(233, 222, 161)  
}
```

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(233, 222, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 222, 161) }
```

Border

The CSS property to change the border of an element to Yxy 72.1394, 0.3626, 0.3954 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(233, 222, 161) }
```

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

```
.border{ border-color:rgb(233, 222, 161) }
```

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

Here you see how a box with a 4 pixel rgb(233, 222, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 222, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 222, 161);  
box-shadow:4px 4px 4px 4px rgb(233, 222,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1394, 0.3626, 0.3954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 222, 161) }
```

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

```
.background{ background-color: rgb(233,  
222, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor