

Converting Colors

$Yxy(70.1662, 0.3552, 0.3991)$

Have a look what the booklet for
Yxy(70.1662, 0.3552, 0.3991)
contains.

Yxy(70.2754, 0.3554, 0.3996)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.2754, 0.3554, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	DEDE9F
RGB	222, 222, 159
RGB Percent	87%, 87%, 62%
CMY	0.1295, 0.1294, 0.3763
CMYK	0.00, 0.00, 0.28, 0.13
HSL	60°, 49%, 75%
HSV	60°, 28%, 87%
XYZ	62.5022, 70.2754, 43.0868
YIQ	214.8180, 20.2230, -19.5930

Conversions

Conversions Part 2

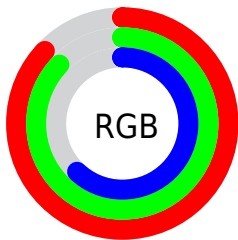
Format	Color
RYB	159, 222, 159
Decimal	14605983
CIELab	87.13, -9.73, 30.98
CIELCh	87, 32.473, 107.443
Yxy	70.2754, 0.3554, 0.3996
Android (android.graphics.Color)	4292796063 (0xFFDEDE9F)
YUV	214.8180, -27.5183, 6.2986
Hunter-Lab	83.8304, -13.6174, 28.2077

Details

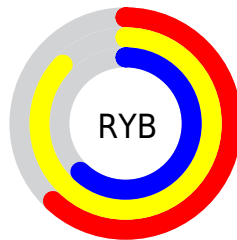
The Yxy color **70.2754, 0.3554, 0.3996** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.4603, 0.2632, 0.2471**, and the grayscale version is **68.0071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **36.8060, 0.3646, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **69.5742, 0.3700, 0.4238**, and if you desaturate by 10%, it is **71.1214, 0.3402, 0.3745**.

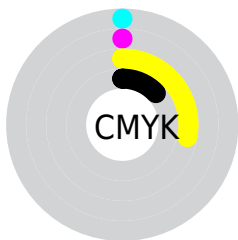
Distribution



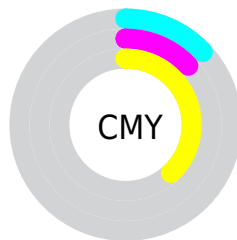
- Red (87%)
- Green (87%)
- Blue (62%)



- Red (62%)
- Yellow (87%)
- Blue (62%)



- Cyan (0%)
- Magenta (0%)
- Yellow (28%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2754, 0.3554, 0.3996 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 70.2754, 0.3554, 0.3996 by changing the saturation by 10% instead.

 70.2754, 0.3554,
0.3996


 70.2754, 0.3554,
0.3996


461.5164, 0.3361,
0.3663

 51.7511, 0.3596,
0.4073


 119.6014, 0.3488,
0.3880

 36.8067, 0.3647,
0.4168


 151.1719, 0.3463,
0.3835

 25.0579, 0.3709,
0.4287

187.8599, 0.3440,
0.3796

 16.1202, 0.3786,
0.4443

230.0498, 0.3420,
0.3763

 9.6092, 0.3881,
0.4651

278.1260, 0.3403,
0.3733

 5.1406, 0.3994,
0.4938

332.4729, 0.3387,

 2.3300, 0.4347,

0.3707

0.5653

393.4749, 0.3374,
0.3684

0.7895, 0.3938,
0.6062

0.0000, 0.0000,
0.0000

70.2754, 0.3554,
0.3996

70.2754, 0.3554,
0.3996

69.5742, 0.3700,
0.4238

71.1214, 0.3402,
0.3745

69.0008, 0.3836,
0.4463

72.1095, 0.3251,
0.3495

68.5503, 0.3955,
0.4659

73.2493, 0.3103,
0.3251

68.2138, 0.4052,
0.4820

74.5469, 0.2963,
0.3019

■ 67.9810, 0.4123,
0.4938

■ 75.0009, 0.2920,
0.2947

■ 67.8398, 0.4168,
0.5013

■ 75.0022, 0.2920,
0.2947

■ 67.7725, 0.4190,
0.5049

■ 75.0036, 0.2920,
0.2947

■ 67.7644, 0.4193,
0.5053

■ 75.0050, 0.2920,
0.2947

■ 75.0063, 0.2920,
0.2947

Harmonies

Analogous

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



70.2754, 0.3832, 0.3845



70.2754, 0.3554, 0.3996



70.2754, 0.3172, 0.3940

Triad

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



70.2754, 0.3554, 0.3996



70.2754, 0.2397, 0.2936



70.2754, 0.3445, 0.2948

Complementary

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



70.2754, 0.3554, 0.3996



37.4603, 0.2632, 0.2471

Split Complementary

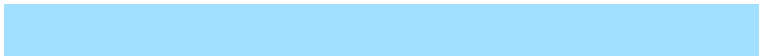
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.2754, 0.3042, 0.2735



70.2754, 0.3554, 0.3996



70.2754, 0.2457, 0.2712

Square

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



70.2754, 0.3554, 0.3996



70.2754, 0.2515, 0.3286



70.2754, 0.2685, 0.2648



70.2754, 0.3773, 0.3244

Rectangle

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



70.2754, 0.3554, 0.3996



70.2754, 0.2913, 0.3779



70.2754, 0.2685, 0.2648



70.2754, 0.3312, 0.2865

Sweetspot

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



70.2786, 0.3554, 0.3996



98.6074, 0.3261, 0.3512



42.8442, 0.3749, 0.3292



21.0613, 0.3284, 0.3549



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.



70.2786, 0.3554, 0.3996



95.6120, 0.3641, 0.4141



65.7660, 0.3314, 0.4055



16.0293, 0.3267, 0.3522



40.2474, 0.4193, 0.5053



2.7898, 0.4193, 0.5053

Inverse Universe

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



37.4603, 0.2632, 0.2471



43.6977, 0.2510, 0.2270



41.0977, 0.2887, 0.2527



13.2436, 0.2981, 0.3047



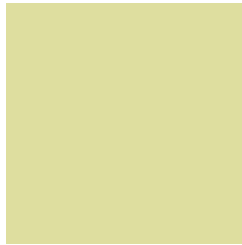
3.1330, 0.1500, 0.0600



0.2173, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 70.2754, 0.3554, 0.3996 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 70.2754, 0.3554, 0.3996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

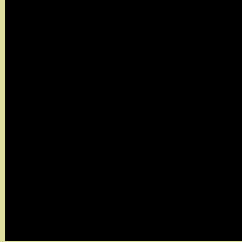
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

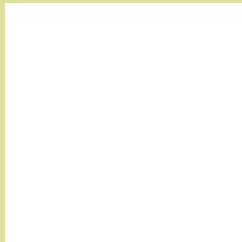
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2754, 0.3554, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 70.2754, 0.3554, 0.3996.



This preview shows how white text looks on a background with the Yxy color 70.2754, 0.3554, 0.3996.

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

70.2754, 0.3554, 0.3996

Protanopia

70.2393, 0.3682, 0.3953

Deuteranopia

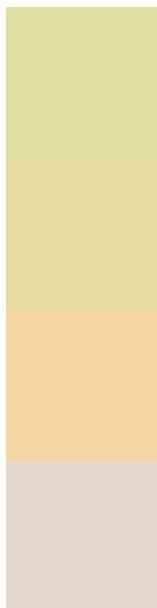
70.1432, 0.3796, 0.3736



Tritanopia

70.2906, 0.3143, 0.3110

Trichromacy



Original Color

70.2754, 0.3554, 0.3996

Protanomaly

69.9547, 0.3633, 0.3962

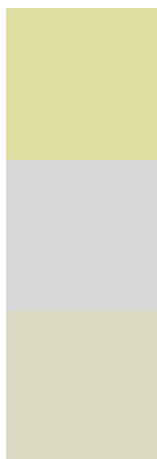
Deuteranomaly

69.8282, 0.3709, 0.3825

Tritanomaly

69.9653, 0.3298, 0.3421

Monochromacy



Original Color

70.2754, 0.3554, 0.3996

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.9884, 0.3284, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2754, 0.3554, 0.3996 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(222, 222, 159)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 159)  
}
```

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(222, 222, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 159) }
```

Border

The CSS property to change the border of an element to Yxy 70.2754, 0.3554, 0.3996 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(222, 222, 159) }
```

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

```
.border{ border-color:rgb(222, 222, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 222, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 159);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2754, 0.3554, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 159) }
```

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

```
.background{ background-color: rgb(222,  
222, 159) }
```

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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