

Converting Colors

$Yxy(78.5417, 0.3529, 0.3954)$

Have a look what the booklet for
Yxy(78.5417, 0.3529, 0.3954)
contains.

Yxy(78.5417, 0.3529, 0.3954)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.5417, 0.3529, 0.3954)

Conversions

Conversions Part 1

Format	Color
Hex	E9E9AB
RGB	233, 233, 171
RGB Percent	91%, 91%, 67%
CMY	0.0862, 0.0863, 0.3294
CMYK	0.00, 0.00, 0.27, 0.09
HSL	60°, 59%, 79%
HSV	60°, 27%, 91%
XYZ	70.0996, 78.5417, 49.9973
YIQ	225.9320, 19.9020, -19.2820

Conversions

Conversions Part 2

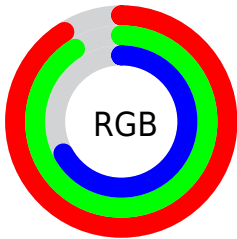
Format	Color
RYB	171, 233, 171
Decimal	15329707
CIELab	91.03, -9.57, 30.23
CIElCh	91, 31.711, 107.572
Yxy	78.5417, 0.3529, 0.3954
Android (android.graphics.Color)	4293519787 (0xFFE9E9AB)
YUV	225.9320, -27.0815, 6.1986
Hunter-Lab	88.6238, -13.9018, 28.5880

Details

The Yxy color **78.5417, 0.3529, 0.3954** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **43.6814, 0.2665, 0.2527**, and the grayscale version is **76.1947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **42.0994, 0.3621, 0.4106** is the 20% darker color. If you saturate the color by 10%, you get **77.7287, 0.3677, 0.4199**, and if you desaturate by 10%, it is **79.5184, 0.3377, 0.3702**.

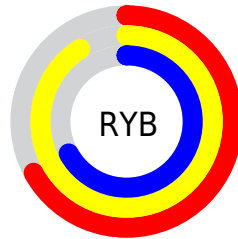
Distribution



Red (91%)

Green (91%)

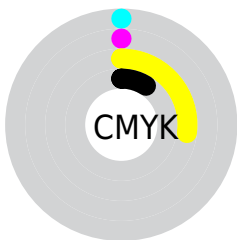
Blue (67%)



Red (67%)

Yellow (91%)

Blue (67%)

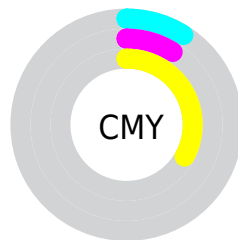


Cyan (0%)

Magenta (0%)

Yellow (27%)

Black (9%)



Cyan (9%)


Magenta (9%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5417, 0.3529, 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 78.5417, 0.3529, 0.3954 by changing the saturation by 10% instead.


 78.5417, 0.3529,
0.3954

 78.5417, 0.3529,
0.3954


490.0046, 0.3351,
0.3647

 58.5191, 0.3567,
0.4023


 131.3135, 0.3469,
0.3848

 42.2261, 0.3614,
0.4109


164.8314, 0.3445,
0.3807

 29.2784, 0.3670,
0.4215


203.6166, 0.3424,
0.3771

 19.2915, 0.3739,
0.4353

248.0533, 0.3406,
0.3740

 11.8811, 0.3826,
0.4534

298.5261, 0.3390,
0.3712

 6.6628, 0.3932,
0.4783

355.4193, 0.3375,

 3.2521, 0.4114,

0.3688

0.5211

419.1174, 0.3362,
0.3666

■ 1.2647, 0.4236,
0.5764

■ 0.1136, 0.0000,
1.0000

■ 78.5417, 0.3529,
0.3954

■ 78.5417, 0.3529,
0.3954

■ 77.7287, 0.3677,
0.4199

■ 79.5184, 0.3377,
0.3702

■ 77.0606, 0.3816,
0.4428


■ 80.6559, 0.3225,
0.3452

■ 76.5319, 0.3938,
0.4630

■ 81.9647, 0.3078,
0.3209

■ 76.1327, 0.4039,
0.4796


■ 82.8436, 0.2993,
0.3068

 75.8518, 0.4115,
0.4922


 82.8484, 0.2993,
0.3068

 75.6760, 0.4164,
0.5003

 82.8531, 0.2993,
0.3069

 75.5886, 0.4189,
0.5044

 82.8579, 0.2993,
0.3069

 75.5696, 0.4194,
0.5052

 82.8627, 0.2993,
0.3069

 82.8674, 0.2993,
0.3069

Harmonies

Analogous

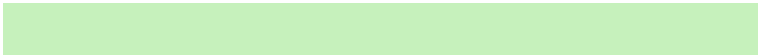
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5417, 0.3790, 0.3816



78.5417, 0.3529, 0.3954



78.5417, 0.3169, 0.3898

Triad

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



78.5417, 0.3529, 0.3954



78.5417, 0.2437, 0.2957



78.5417, 0.3428, 0.2968

Complementary

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



78.5417, 0.3529, 0.3954



43.6814, 0.2665, 0.2527

Split Complementary

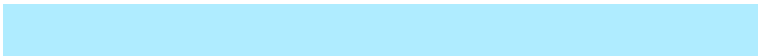
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5417, 0.3049, 0.2766



78.5417, 0.3529, 0.3954



78.5417, 0.2495, 0.2745

Square

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



78.5417, 0.3529, 0.3954



78.5417, 0.2549, 0.3286



78.5417, 0.2712, 0.2683



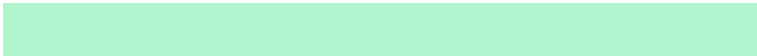
78.5417, 0.3736, 0.3249

Rectangle

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



78.5417, 0.3529, 0.3954



78.5417, 0.2925, 0.3747



78.5417, 0.2712, 0.2683



78.5417, 0.3304, 0.2890

Sweetspot

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



78.5452, 0.3529, 0.3954



98.7504, 0.3246, 0.3487



49.4370, 0.3691, 0.3280



21.0896, 0.3269, 0.3525



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.



78.5452, 0.3529, 0.3954



95.7939, 0.3612, 0.4091



73.9341, 0.3311, 0.4004



17.6260, 0.3268, 0.3523



42.8713, 0.4194, 0.5052



3.3667, 0.4194, 0.5052

Inverse Universe

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



43.6814, 0.2665, 0.2527



46.2020, 0.2552, 0.2340



47.4290, 0.2896, 0.2574



14.5498, 0.2980, 0.3046



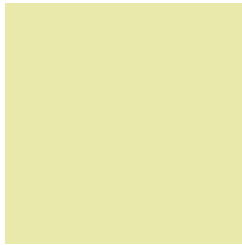
3.3397, 0.1500, 0.0600



0.2626, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 78.5417, 0.3529, 0.3954 looks on a white background.

Color Contrast Check

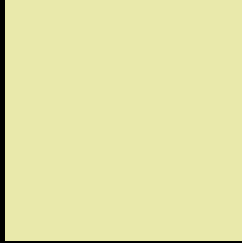
Large Text (above 18pt) WCAG AA × Fail

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 78.5417, 0.3529, 0.3954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

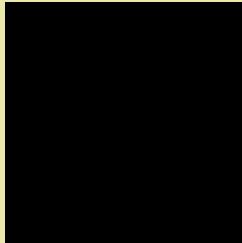
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

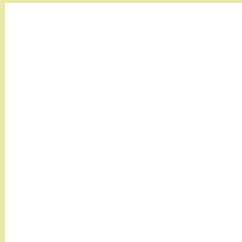
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5417, 0.3529, 0.3954

Background



This preview shows how black text looks on a background with the Yxy color 78.5417, 0.3529, 0.3954.

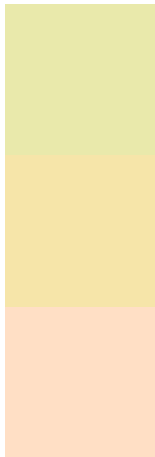


This preview shows how white text looks on a background with the Yxy color 78.5417, 0.3529, 0.3954.

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

78.5417, 0.3529, 0.3954

Protanopia

78.4960, 0.3650, 0.3915

Deuteranopia

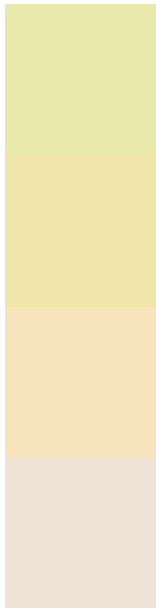
78.0666, 0.3539, 0.3555



Tritanopia

78.5394, 0.3142, 0.3118

Trichromacy



Original Color

78.5417, 0.3529, 0.3954

Protanomaly

78.1967, 0.3603, 0.3922

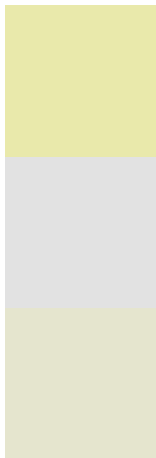
Deuteranomaly

78.3432, 0.3533, 0.3695

Tritanomaly

78.2468, 0.3284, 0.3405

Monochromacy



Original Color

78.5417, 0.3529, 0.3954

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.1529, 0.3276, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5417, 0.3529, 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, 233, 171)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 171)  
}
```

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, 233, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 171) }
```

Border

The CSS property to change the border of an element to Yxy 78.5417, 0.3529, 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, 233, 171) }
```

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

```
.border{ border-color:rgb(233, 233, 171) }
```

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

Here you see how a box with a 4 pixel rgb(233, 233, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 171);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5417, 0.3529, 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, 233, 171) }
```

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

```
.background{ background-color: rgb(233,  
233, 171) }
```

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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