

Converting Colors

$Yxy(78.4999, 0.3412, 0.3762)$

Have a look what the booklet for
Yxy(78.4999, 0.3412, 0.3762)
contains.

Yxy(78.4999, 0.3412, 0.3762)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.4999, 0.3412, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	E8E8BC
RGB	232, 232, 188
RGB Percent	91%, 91%, 74%
CMY	0.0904, 0.0901, 0.2628
CMYK	0.00, 0.00, 0.19, 0.09
HSL	60°, 49%, 82%
HSV	60°, 19%, 91%
XYZ	71.1966, 78.4999, 58.9688
YIQ	226.9840, 14.1240, -13.6840

Conversions

Conversions Part 2

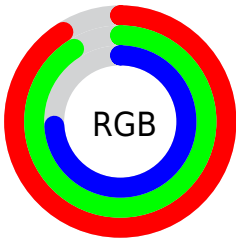
Format	Color
R _Y B	188, 232, 188
Decimal	15263932
CIE Lab	91.01, -7.15, 21.47
CIE LCh	91, 22.630, 108.412
Yxy	78.4999, 0.3412, 0.3762
Android (android.graphics.Color)	4293454012 (0xFFE8E8BC)
YUV	226.9840, -19.2191, 4.3990
Hunter-Lab	88.6002, -11.6127, 22.5590

Details

The Yxy color **78.4999, 0.3412, 0.3762** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.4898, 0.2813, 0.2770**, and the grayscale version is **76.9340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **42.0300, 0.3472, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **77.5744, 0.3564, 0.4013**, and if you desaturate by 10%, it is **79.5933, 0.3260, 0.3510**.

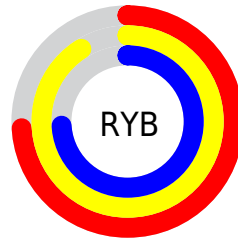
Distribution



Red (91%)

Green (91%)

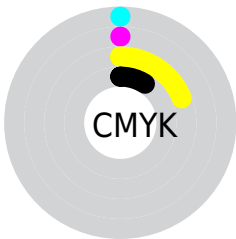
Blue (74%)



Red (74%)

Yellow (91%)

Blue (74%)

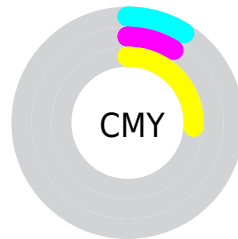


Cyan (0%)

Magenta (0%)

Yellow (19%)

Black (9%)



Cyan (9%)


Magenta (9%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4999, 0.3412, 0.3762 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 78.4999, 0.3412, 0.3762 by changing the saturation by 10% instead.


 78.4999, 0.3412,
0.3762

 78.4999, 0.3412,
0.3762

489.8629, 0.3284,
0.3544

 58.4847, 0.3440,
0.3812


 131.2546, 0.3368,
0.3686

 42.1985, 0.3474,
0.3873


164.7629, 0.3351,
0.3657

 29.2567, 0.3517,
0.3950

203.5377, 0.3336,
0.3632

 19.2751, 0.3571,
0.4050

247.9634, 0.3323,
0.3610

 11.8692, 0.3640,
0.4185

298.4243, 0.3312,
0.3590

 6.6547, 0.3733,
0.4375

355.3050, 0.3301,

 3.2471, 0.3859,

0.3573

0.4659

418.9897, 0.3292,
0.3558

■ 1.2621, 0.4401,
0.5599

■ 0.1115, 0.0000,
1.0000

■ 78.4999, 0.3412,
0.3762

■ 78.4999, 0.3412,
0.3762

■ 77.5744, 0.3564,
0.4013

■ 79.5933, 0.3260,
0.3510

■ 76.7985, 0.3710,
0.4256


■ 80.8512, 0.3112,
0.3265


■ 76.1676, 0.3844,
0.4479


■ 82.1156, 0.2987,
0.3058


■ 75.6725, 0.3961,
0.4674


■ 82.1231, 0.2987,
0.3058

 75.3031, 0.4056,
0.4832


 82.1306, 0.2987,
0.3058


 75.0478, 0.4126,
0.4947

 82.1381, 0.2988,
0.3058


 74.8932, 0.4168,
0.5019

 82.1457, 0.2988,
0.3058

 74.8182, 0.4188,
0.5053

 82.1532, 0.2988,
0.3058

 74.8122, 0.4190,
0.5055

 82.1607, 0.2989,
0.3058

Harmonies

Analogous

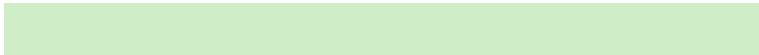
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4999, 0.3598, 0.3676



78.4999, 0.3412, 0.3762



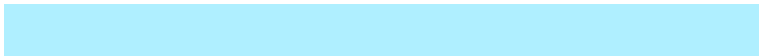
78.4999, 0.3154, 0.3713

Triad

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



78.4999, 0.3412, 0.3762



78.4999, 0.2626, 0.3051



78.4999, 0.3351, 0.3062

Complementary

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



78.4999, 0.3412, 0.3762



52.4898, 0.2813, 0.2770

Split Complementary

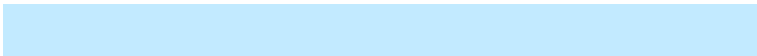
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.4999, 0.3082, 0.2910



78.4999, 0.3412, 0.3762



78.4999, 0.2672, 0.2896

Square

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



78.4999, 0.3412, 0.3762



78.4999, 0.2706, 0.3285



78.4999, 0.2836, 0.2849



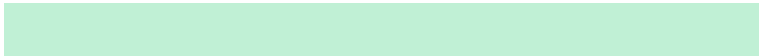
78.4999, 0.3564, 0.3272

Rectangle

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



78.4999, 0.3412, 0.3762



78.4999, 0.2978, 0.3605



78.4999, 0.2836, 0.2849



78.4999, 0.3263, 0.3003

Sweetspot

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



78.5034, 0.3412, 0.3762



99.0478, 0.3216, 0.3437



56.7518, 0.3499, 0.3291



21.1791, 0.3226, 0.3453



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.



78.5034, 0.3412, 0.3762



96.7600, 0.3475, 0.3867



75.0603, 0.3255, 0.3786



16.8157, 0.3267, 0.3522



41.5234, 0.4190, 0.5055



3.0689, 0.4190, 0.5055

Inverse Universe

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



52.4898, 0.2813, 0.2770



58.6560, 0.2735, 0.2641



55.4917, 0.2978, 0.2794



13.8885, 0.2980, 0.3047



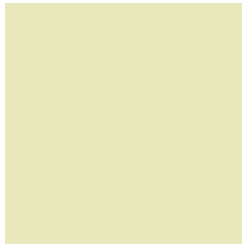
3.2367, 0.1501, 0.0600



0.2397, 0.1503, 0.0601

Previews

White Background



This preview shows how the Yxy color 78.4999, 0.3412, 0.3762 looks on a white background.

Color Contrast Check

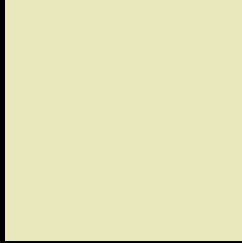
Large Text (above 18pt) WCAG AA × Fail

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 78.4999, 0.3412, 0.3762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

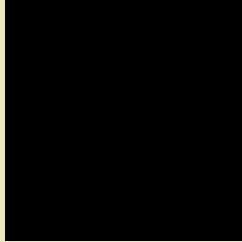
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

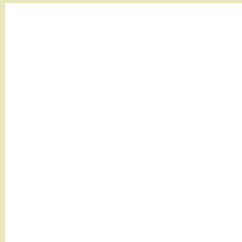
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4999, 0.3412, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 78.4999, 0.3412, 0.3762.



This preview shows how white text looks on a background with the Yxy color 78.4999, 0.3412, 0.3762.

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

78.4999, 0.3412, 0.3762

Protanopia

78.6385, 0.3513, 0.3741

Deuteranopia

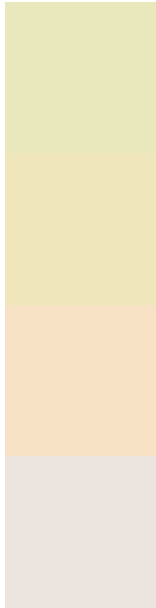
78.3471, 0.3497, 0.3494



Tritanopia

78.6120, 0.3115, 0.3117

Trichromacy



Original Color

78.4999, 0.3412, 0.3762

Protanomaly

78.5322, 0.3474, 0.3744

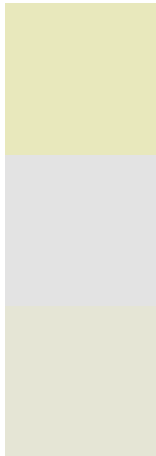
Deuteranomaly

78.2441, 0.3466, 0.3581

Tritanomaly

78.5936, 0.3222, 0.3353

Monochromacy



Original Color

78.4999, 0.3412, 0.3762

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.5007, 0.3230, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4999, 0.3412, 0.3762 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(232, 232, 188)` looks like.

```
.text, #text, p{  
    color:rgb(232, 232, 188)  
}
```

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(232, 232, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 232, 188) }
```

Border

The CSS property to change the border of an element to Yxy 78.4999, 0.3412, 0.3762 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(232, 232, 188) }
```

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

```
.border{ border-color:rgb(232, 232, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 232, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 232, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 232, 188); box-shadow:4px 4px 4px 4px rgb(232, 232, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4999, 0.3412, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 232, 188) }
```

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

```
.background{ background-color: rgb(232,  
232, 188) }
```

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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