

Converting Colors

$Yxy(77.5623, 0.3372, 0.3631)$

Have a look what the booklet for
Yxy(77.5623, 0.3372, 0.3631)
contains.

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Color

Yxy(77.5623, 0.3372, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	EAE5C5
RGB	234, 229, 197
RGB Percent	92%, 90%, 77%
CMY	0.0824, 0.1019, 0.2273
CMYK	0.00, 0.02, 0.16, 0.08
HSL	52°, 47%, 85%
HSV	52°, 16%, 92%
XYZ	72.0298, 77.5623, 64.0193
YIQ	226.8470, 13.2520, -8.8920

Conversions

Conversions Part 2

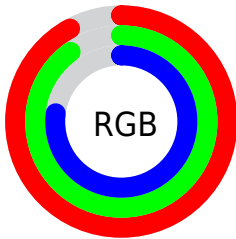
Format	Color
R_{YB}	203, 234, 197
Decimal	15394245
CIE _{Lab}	90.58, -3.54, 16.21
CIE _{LCh}	91, 16.589, 102.319
Yxy	77.5623, 0.3372, 0.3631
Android (android.graphics.Color)	4293584325 (0xFFEAE5C5)
YUV	226.8470, -14.7146, 6.2732
Hunter-Lab	88.0695, -8.1310, 18.5496

Details

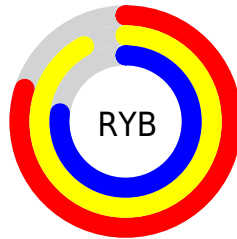
The Yxy color **77.5623, 0.3372, 0.3631** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.0665, 0.2873, 0.2924**, and the grayscale version is **76.8035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **41.7203, 0.3428, 0.3719** is the 20% darker color. If you saturate the color by 10%, you get **74.8439, 0.3537, 0.3854**, and if you desaturate by 10%, it is **80.4858, 0.3214, 0.3413**.

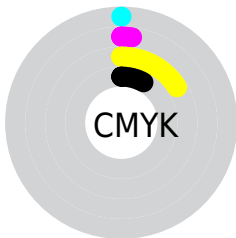
Distribution



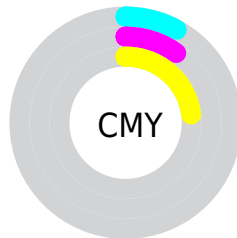
- Red (92%)
- Green (90%)
- Blue (77%)



- Red (80%)
- Yellow (92%)
- Blue (77%)



- Cyan (0%)
- Magenta (2%)
- Yellow (16%)
- Black (8%)



- Cyan (8%)
- Magenta (10%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5623, 0.3372, 0.3631 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 77.5623, 0.3372, 0.3631 by changing the saturation by 10% instead.

■ 77.5623, 0.3372,
0.3631

■ 77.5623, 0.3372,
0.3631

486.6791, 0.3261,
0.3474

■ 57.7145, 0.3397,
0.3667

129.9329, 0.3334,
0.3577

■ 41.5792, 0.3427,
0.3711

163.2245, 0.3319,
0.3555

■ 28.7719, 0.3466,
0.3766

201.7662, 0.3306,
0.3537

■ 18.9083, 0.3515,
0.3838

245.9423, 0.3295,
0.3521

■ 11.6041, 0.3580,
0.3935

296.1372, 0.3285,
0.3507

■ 6.4747, 0.3671,
0.4074

352.7354, 0.3276,

■ 3.1358, 0.3803,

0.3495

0.4284

416.1212, 0.3268,
0.3484

■ 1.2030, 0.4362,
0.5042

■ 0.0642, 0.0000,
1.0000

■ 77.5623, 0.3372,
0.3631

■ 77.5623, 0.3372,
0.3631

■ 74.8439, 0.3537,
0.3854

■ 80.4858, 0.3214,
0.3413

■ 72.3125, 0.3704,
0.4074

■ 83.6115, 0.3066,
0.3203

■ 69.9632, 0.3870,
0.4282

■ 86.1364, 0.2999,
0.3124

■ 67.7867, 0.4026,
0.4470

■ 87.9952, 0.2999,
0.3156

65.7729, 0.4166,
0.4626

89.8864, 0.2999,
0.3188

63.9104, 0.4284,
0.4743

91.8101, 0.2999,
0.3220

62.1859, 0.4374,
0.4814

93.7666, 0.2999,
0.3251

60.5831, 0.4436,
0.4841

95.7560, 0.2999,
0.3282

59.9339, 0.4457,
0.4843

96.2308, 0.2999,
0.3290

Harmonies

Analogous

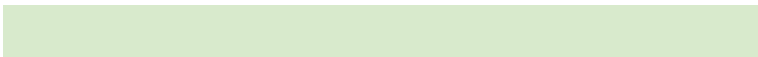
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5623, 0.3491, 0.3554



77.5623, 0.3372, 0.3631



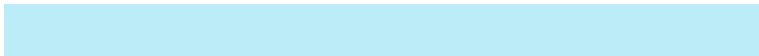
77.5623, 0.3190, 0.3613

Triad

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



77.5623, 0.3372, 0.3631



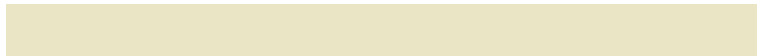
77.5623, 0.2759, 0.3149



77.5623, 0.3254, 0.3093

Complementary

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



77.5623, 0.3372, 0.3631



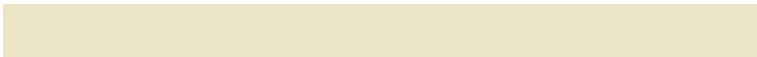
60.0665, 0.2873, 0.2924

Split Complementary

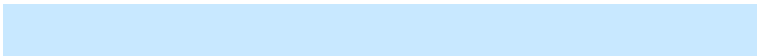
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5623, 0.3055, 0.2991



77.5623, 0.3372, 0.3631



77.5623, 0.2775, 0.3017

Square

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



77.5623, 0.3372, 0.3631



77.5623, 0.2839, 0.3326



77.5623, 0.2881, 0.2962



77.5623, 0.3422, 0.3245

Rectangle

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



77.5623, 0.3372, 0.3631



77.5623, 0.3058, 0.3547



77.5623, 0.2881, 0.2962



77.5623, 0.3188, 0.3052

Sweetspot

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



77.5657, 0.3372, 0.3631



98.1135, 0.3202, 0.3396



61.7321, 0.3382, 0.3230



20.9447, 0.3213, 0.3411



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.



77.5657, 0.3372, 0.3631



93.1642, 0.3426, 0.3704



78.2541, 0.3272, 0.3693



17.2602, 0.3271, 0.3492



33.8188, 0.4452, 0.4847



2.7515, 0.4411, 0.4880

Inverse Universe

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



60.0665, 0.2873, 0.2924



68.0519, 0.2815, 0.2839



59.5868, 0.2965, 0.2877



14.8765, 0.2980, 0.3080



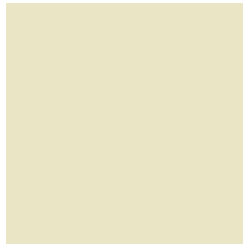
4.0090, 0.1530, 0.0706



0.4189, 0.1585, 0.0905

Previews

White Background



This preview shows how the Yxy color 77.5623, 0.3372, 0.3631 looks on a white background.

Color Contrast Check

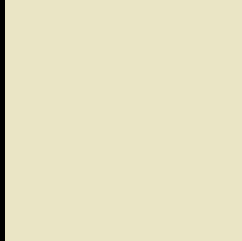
Large Text (above 18pt) WCAG AA × Fail

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 77.5623, 0.3372, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

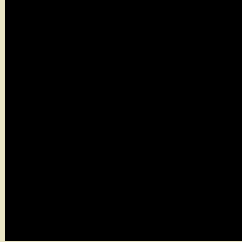
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

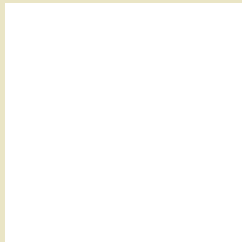
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5623, 0.3372, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 77.5623, 0.3372, 0.3631.



This preview shows how white text looks on a background with the Yxy color 77.5623, 0.3372, 0.3631.

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

77.5623, 0.3372, 0.3631

Protanopia

77.2744, 0.3419, 0.3618

Deuteranopia

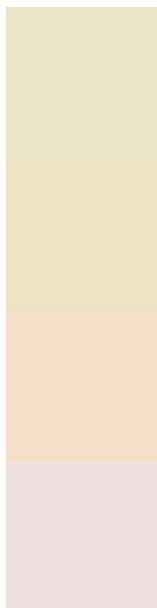
77.3325, 0.3493, 0.3464



Tritanopia

77.5919, 0.3135, 0.3117

Trichromacy



Original Color

77.5623, 0.3372, 0.3631

Protanomaly

77.4769, 0.3403, 0.3630

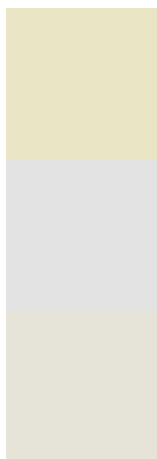
Deuteranomaly

77.3025, 0.3449, 0.3529

Tritanomaly

77.4094, 0.3225, 0.3301

Monochromacy



Original Color

77.5623, 0.3372, 0.3631

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.2677, 0.3219, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5623, 0.3372, 0.3631 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(234, 229, 197)` looks like.

```
.text, #text, p{  
    color:rgb(234, 229, 197)  
}
```

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(234, 229, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 229, 197) }
```

Border

The CSS property to change the border of an element to Yxy 77.5623, 0.3372, 0.3631 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(234, 229, 197) }
```

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

```
.border{ border-color:rgb(234, 229, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 229, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 229, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 229, 197); box-shadow:4px 4px 4px 4px rgb(234, 229, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5623, 0.3372, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 229, 197) }
```

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

```
.background{ background-color: rgb(234,  
229, 197) }
```

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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