

Converting Colors

$Yxy(77.7683, 0.3240, 0.3417)$

Have a look what the booklet for
Yxy(77.7683, 0.3240, 0.3417)
contains.

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Color

Yxy(77.7683, 0.3240, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	E9E4D8
RGB	233, 228, 216
RGB Percent	91%, 89%, 85%
CMY	0.0863, 0.1058, 0.1530
CMYK	0.00, 0.02, 0.07, 0.09
HSL	42°, 28%, 88%
HSV	42°, 7%, 91%
XYZ	73.7399, 77.7683, 76.0841
YIQ	228.1270, 6.8320, -2.6720

Conversions

Conversions Part 2

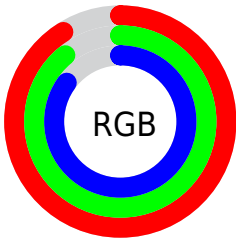
Format	Color
R_{YB}	223, 233, 216
Decimal	15328472
CIE Lab	90.67, -0.37, 6.44
CIE LCh	91, 6.455, 93.253
Yxy	77.7683, 0.3240, 0.3417
Android (android.graphics.Color)	4293518552 (0xFFE9E4D8)
YUV	228.1270, -5.9786, 4.2736
Hunter-Lab	88.1863, -5.0674, 10.5771

Details

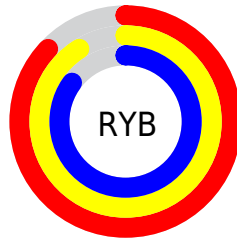
The Yxy color **77.7683, 0.3240, 0.3417** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.1828, 0.3015, 0.3160**, and the grayscale version is **77.7228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8075, 0.3265, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **72.9646, 0.3408, 0.3598**, and if you desaturate by 10%, it is **82.8982, 0.3087, 0.3244**.

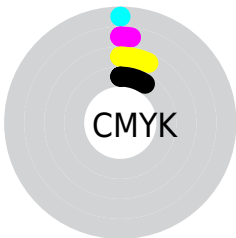
Distribution



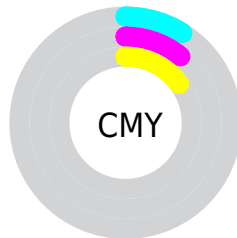
- Red (91%)
- Green (89%)
- Blue (85%)



- Red (87%)
- Yellow (91%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7683, 0.3240, 0.3417 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 77.7683, 0.3240, 0.3417 by changing the saturation by 10% instead.

■ 77.7683, 0.3240,
0.3417

■ 77.7683, 0.3240,
0.3417

487.3796, 0.3188,
0.3359

■ 57.8837, 0.3252,
0.3430

130.2234, 0.3222,
0.3397

■ 41.7151, 0.3266,
0.3446

163.5627, 0.3215,
0.3389

■ 28.8783, 0.3284,
0.3467

202.1557, 0.3209,
0.3382

■ 18.9888, 0.3308,
0.3493

246.3868, 0.3204,
0.3376

■ 11.6622, 0.3339,
0.3529

296.6403, 0.3199,
0.3371

■ 6.5141, 0.3385,
0.3580

353.3007, 0.3195,

■ 3.1601, 0.3454,

0.3367

0.3660

416.7523, 0.3192,
0.3363

■ 1.2159, 0.3581,
0.3804

■ 0.0746, 0.4537,
0.5463

■ 77.7683, 0.3240,
0.3417

■ 77.7683, 0.3240,
0.3417

■ 72.9646, 0.3408,
0.3598

■ 82.8982, 0.3087,
0.3244

■ 68.4683, 0.3589,
0.3784

■ 87.8540, 0.2993,
0.3156

■ 64.2732, 0.3782,
0.3969

■ 91.9910, 0.2993,
0.3225

■ 60.3693, 0.3981,
0.4146

■ 96.0628, 0.2993,
0.3290

■ 56.7459, 0.4181,
0.4304

■ 53.3910, 0.4373,
0.4432

■ 50.2916, 0.4547,
0.4519

■ 47.4322, 0.4694,
0.4558

■ 44.7936, 0.4809,
0.4548

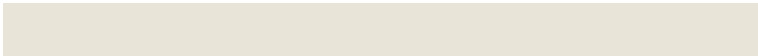
Harmonies

Analogous

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



77.7683, 0.3274, 0.3380



77.7683, 0.3240, 0.3417



77.7683, 0.3176, 0.3419

Triad

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



77.7683, 0.3240, 0.3417



77.7683, 0.2988, 0.3257



77.7683, 0.3154, 0.3197

Complementary

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



77.7683, 0.3240, 0.3417



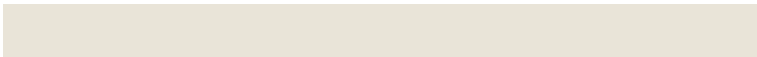
72.1828, 0.3015, 0.3160

Split Complementary

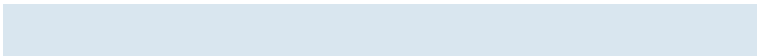
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7683, 0.3078, 0.3164



77.7683, 0.3240, 0.3417



77.7683, 0.2982, 0.3198

Square

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



77.7683, 0.3240, 0.3417



77.7683, 0.3030, 0.3326



77.7683, 0.3015, 0.3164



77.7683, 0.3224, 0.3254

Rectangle

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



77.7683, 0.3240, 0.3417



77.7683, 0.3125, 0.3401



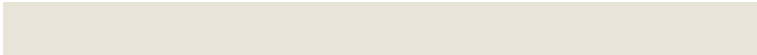
77.7683, 0.3015, 0.3164



77.7683, 0.3129, 0.3183

Sweetspot

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



77.7717, 0.3240, 0.3417



98.7252, 0.3157, 0.3324



71.6564, 0.3216, 0.3236



21.1447, 0.3156, 0.3323



0.0000, 0.0000, 0.0000



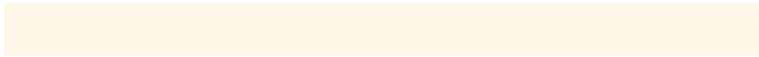
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7717, 0.3240, 0.3417



94.3894, 0.3268, 0.3448



79.9884, 0.3212, 0.3470



16.8374, 0.3275, 0.3456



25.2550, 0.4825, 0.4551



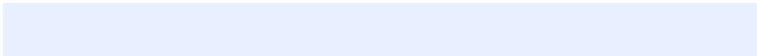
2.1482, 0.4717, 0.4637

Inverse Universe

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



72.1828, 0.3015, 0.3160



85.9890, 0.2987, 0.3127



70.1122, 0.3039, 0.3106



15.2688, 0.2980, 0.3119



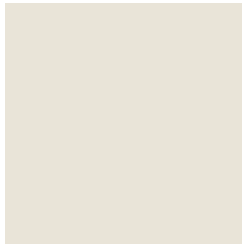
5.8936, 0.1607, 0.0984



0.6241, 0.1682, 0.1255

Previews

White Background



This preview shows how the Yxy color 77.7683, 0.3240, 0.3417 looks on a white background.

Color Contrast Check

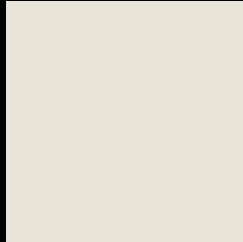
Large Text (above 18pt) WCAG AA × Fail

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 77.7683, 0.3240, 0.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

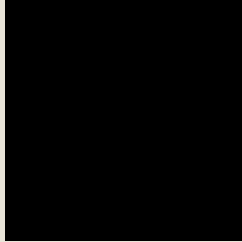
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

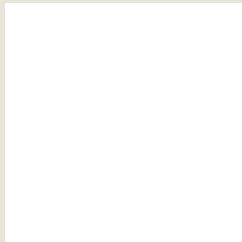
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7683, 0.3240, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 77.7683, 0.3240, 0.3417.

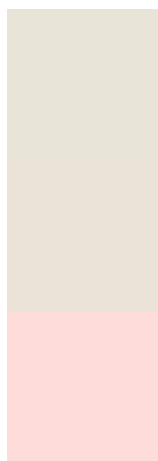


This preview shows how white text looks on a background with the Yxy color 77.7683, 0.3240, 0.3417.

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

77.7683, 0.3240, 0.3417

Protanopia

77.5582, 0.3255, 0.3406

Deuteranopia

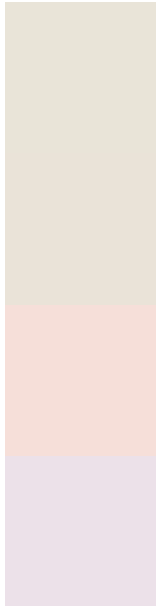
77.2670, 0.3395, 0.3321



Tritanopia

77.7266, 0.3101, 0.3106

Trichromacy



Original Color

77.7683, 0.3240, 0.3417

Protanomaly

77.3885, 0.3248, 0.3406

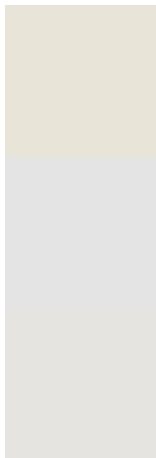
Deuteranomaly

77.3779, 0.3332, 0.3352

Tritanomaly

77.5665, 0.3152, 0.3207

Monochromacy



Original Color

77.7683, 0.3240, 0.3417

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6916, 0.3167, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7683, 0.3240, 0.3417 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, 228, 216)` looks like.

```
.text, #text, p{  
    color:rgb(233, 228, 216)  
}
```

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, 228, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 228, 216) }
```

Border

The CSS property to change the border of an element to Yxy 77.7683, 0.3240, 0.3417 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, 228, 216) }
```

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

```
.border{ border-color:rgb(233, 228, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 228, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 228, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 228, 216);  
box-shadow:4px 4px 4px 4px rgb(233, 228,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7683, 0.3240, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 228, 216) }
```

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

```
.background{ background-color: rgb(233,  
228, 216) }
```

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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