

Converting Colors

$Yxy(77.2669, 0.3210, 0.3347)$

Have a look what the booklet for
Yxy(77.2669, 0.3210, 0.3347)
contains.

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Color

Yxy(77.4823, 0.3208, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	E9E3DD
RGB	233, 227, 221
RGB Percent	91%, 89%, 87%
CMY	0.0862, 0.1098, 0.1332
CMYK	0.00, 0.03, 0.05, 0.09
HSL	30°, 21%, 89%
HSV	30°, 5%, 91%
XYZ	74.1316, 77.4823, 79.4696
YIQ	228.1100, 5.5020, -0.5940

Conversions

Conversions Part 2

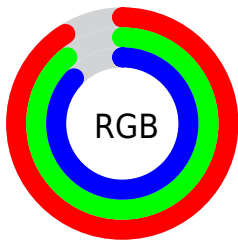
Format	Color
R _Y B	233, 233, 221
Decimal	15328221
CIE Lab	90.54, 1.01, 3.62
CIE LCh	91, 3.762, 74.427
Yxy	77.4823, 0.3208, 0.3353
Android (android.graphics.Color)	4293518301 (0xFFE9E3DD)
YUV	228.1100, -3.5052, 4.2885
Hunter-Lab	88.0240, -3.7139, 8.0888

Details

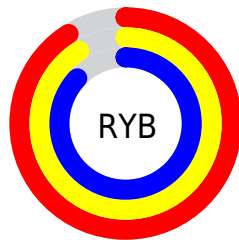
The Yxy color **77.4823, 0.3208, 0.3353** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.2236, 0.3048, 0.3226**, and the grayscale version is **77.6956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6053, 0.3223, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **70.1449, 0.3382, 0.3481**, and if you desaturate by 10%, it is **85.4337, 0.3056, 0.3233**.

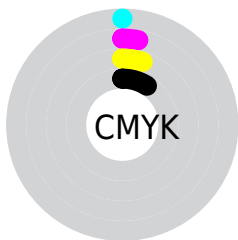
Distribution



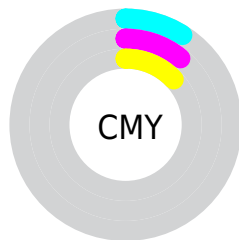
- Red (91%)
- Green (89%)
- Blue (87%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4823, 0.3208, 0.3353 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 77.4823, 0.3208, 0.3353 by changing the saturation by 10% instead.

■ 77.4823, 0.3208,
0.3353

■ 77.4823, 0.3208,
0.3353

486.4069, 0.3171,
0.3324

■ 57.6488, 0.3216,
0.3359

129.8201, 0.3195,
0.3343

■ 41.5264, 0.3227,
0.3367

163.0931, 0.3190,
0.3339

■ 28.7306, 0.3240,
0.3377

201.6148, 0.3186,
0.3336

■ 18.8771, 0.3257,
0.3390

245.7696, 0.3182,
0.3333

■ 11.5815, 0.3280,
0.3408

295.9418, 0.3179,
0.3330

■ 6.4594, 0.3313,
0.3433

352.5158, 0.3176,

■ 3.1264, 0.3364,

0.3328

0.3472

415.8760, 0.3173,
0.3326

■ 1.1981, 0.3453,
0.3539

■ 0.0601, 0.5764,
0.4236

■ 77.4823, 0.3208,
0.3353

■ 77.4823, 0.3208,
0.3353

■ 70.1449, 0.3382,
0.3481

■ 85.4337, 0.3056,
0.3233

■ 63.3957, 0.3580,
0.3615

■ 93.1638, 0.2993,
0.3244

■ 57.2217, 0.3804,
0.3751

■ 96.0672, 0.2994,
0.3290

■ 51.6057, 0.4051,
0.3882

■ 46.5293, 0.4318,
0.4000

■ 41.9731, 0.4596,
0.4093

■ 37.9157, 0.4871,
0.4149

■ 34.3338, 0.5125,
0.4155

■ 31.2004, 0.5341,
0.4105

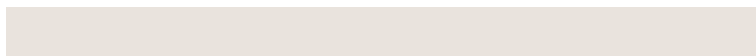
Harmonies

Analogous

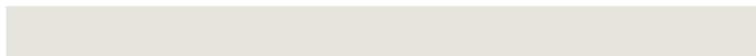
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4823, 0.3214, 0.3322



77.4823, 0.3208, 0.3353



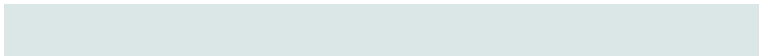
77.4823, 0.3181, 0.3367

Triad

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



77.4823, 0.3208, 0.3353



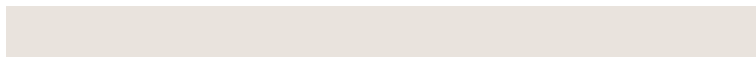
77.4823, 0.3059, 0.3296



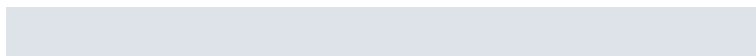
77.4823, 0.3115, 0.3221

Complementary

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



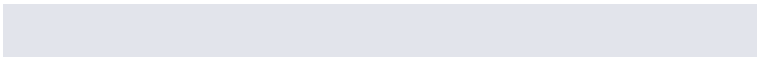
77.4823, 0.3208, 0.3353



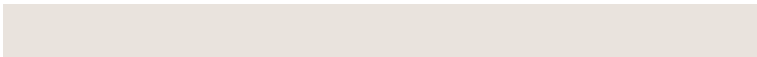
76.2236, 0.3048, 0.3226

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.



77.4823, 0.3074, 0.3214



77.4823, 0.3208, 0.3353



77.4823, 0.3042, 0.3257

Square

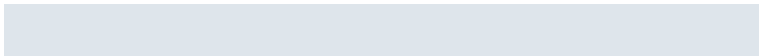
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4823, 0.3208, 0.3353



77.4823, 0.3095, 0.3334



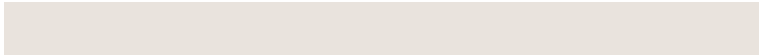
77.4823, 0.3047, 0.3227



77.4823, 0.3160, 0.3247

Rectangle

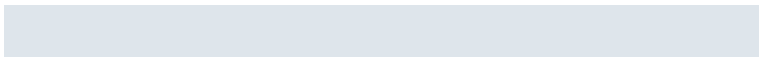
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



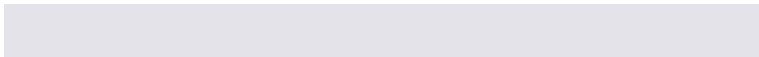
77.4823, 0.3208, 0.3353



77.4823, 0.3154, 0.3365



77.4823, 0.3047, 0.3227



77.4823, 0.3100, 0.3217

Sweetspot

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



77.4857, 0.3208, 0.3353



98.0531, 0.3158, 0.3314



74.6103, 0.3171, 0.3225



21.0079, 0.3156, 0.3313



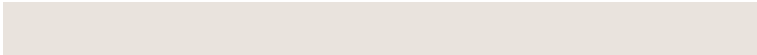
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



77.4857, 0.3208, 0.3353



94.2502, 0.3222, 0.3364



80.7256, 0.3203, 0.3413



16.7587, 0.3232, 0.3372



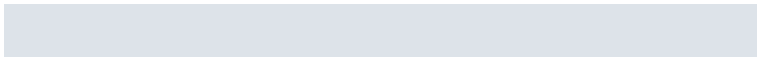
17.1686, 0.5411, 0.4086



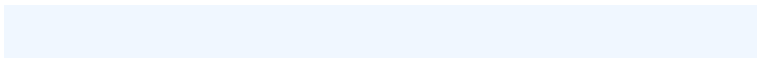
1.5405, 0.5197, 0.4255

Inverse Universe

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



76.2236, 0.3048, 0.3226



92.4477, 0.3035, 0.3215



73.0906, 0.3049, 0.3163



16.4057, 0.3025, 0.3207



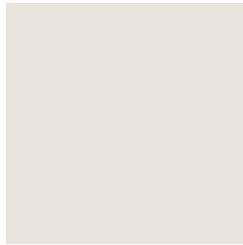
10.8021, 0.1774, 0.1587



1.0407, 0.1844, 0.1837

Previews

White Background



This preview shows how the Yxy color 77.4823, 0.3208, 0.3353 looks on a white background.

Color Contrast Check

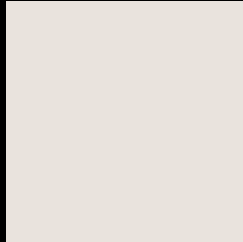
Large Text (above 18pt) WCAG AA × Fail

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 77.4823, 0.3208, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

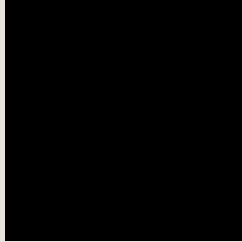
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

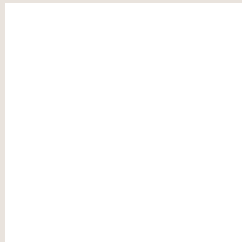
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4823, 0.3208, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 77.4823, 0.3208, 0.3353.

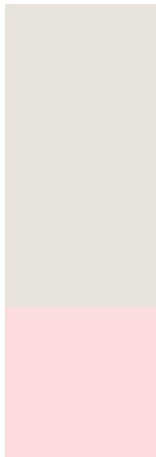


This preview shows how white text looks on a background with the Yxy color 77.4823, 0.3208, 0.3353.

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

77.4823, 0.3208, 0.3353

Protanopia

77.4823, 0.3208, 0.3353

Deuteranopia

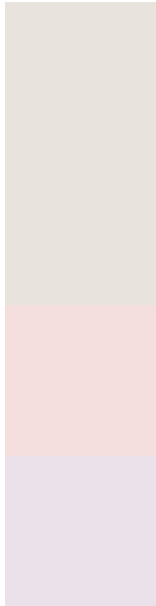
77.1558, 0.3345, 0.3270



Tritanopia

77.5550, 0.3094, 0.3106

Trichromacy



Original Color

77.4823, 0.3208, 0.3353

Protanomaly

77.4823, 0.3208, 0.3353

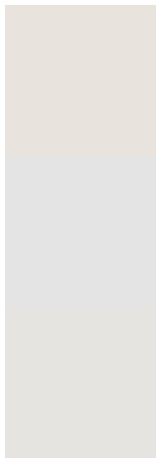
Deuteranomaly

77.4618, 0.3291, 0.3301

Tritanomaly

77.4531, 0.3138, 0.3197

Monochromacy



Original Color

77.4823, 0.3208, 0.3353

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7460, 0.3160, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4823, 0.3208, 0.3353 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, 227, 221)` looks like.

```
.text, #text, p{  
    color:rgb(233, 227, 221)  
}
```

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, 227, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 227, 221) }
```

Border

The CSS property to change the border of an element to Yxy 77.4823, 0.3208, 0.3353 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, 227, 221) }
```

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

```
.border{ border-color:rgb(233, 227, 221) }
```

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

Here you see how a box with a 4 pixel rgb(233, 227, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 227, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 227, 221);  
box-shadow:4px 4px 4px 4px rgb(233, 227,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4823, 0.3208, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 227, 221) }
```

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

```
.background{ background-color: rgb(233,  
227, 221) }
```

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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