

Converting Colors

$Y_{xy}(77.5730, 0.3245, 0.3338)$

Have a look what the booklet for
Yxy(77.5730, 0.3245, 0.3338)
contains.

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Color

Yxy(77.7903, 0.3244, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	EEE2DD
RGB	238, 226, 221
RGB Percent	93%, 89%, 87%
CMY	0.0667, 0.1137, 0.1332
CMYK	0.00, 0.05, 0.07, 0.07
HSL	18°, 33%, 90%
HSV	18°, 7%, 93%
XYZ	75.5092, 77.7903, 79.4662
YIQ	229.0180, 8.7570, 0.9890

Conversions

Conversions Part 2

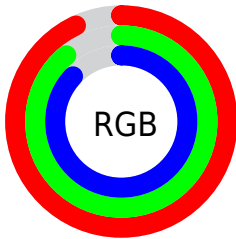
Format	Color
R _Y B	238, 228, 221
Decimal	15655645
CIE Lab	90.68, 3.24, 3.87
CIE LCh	91, 5.044, 50.098
Yxy	77.7903, 0.3244, 0.3342
Android (android.graphics.Color)	4293845725 (0xFFEEE2DD)
YUV	229.0180, -3.9529, 7.8772
Hunter-Lab	88.1988, -1.5296, 8.3195

Details

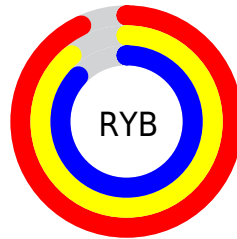
The Yxy color **77.7903, 0.3244, 0.3342** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.8427, 0.3017, 0.3237**, and the grayscale version is **78.3962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8241, 0.3270, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **67.9066, 0.3435, 0.3419**, and if you desaturate by 10%, it is **88.7587, 0.3084, 0.3270**.

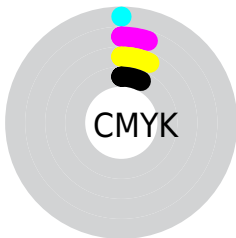
Distribution



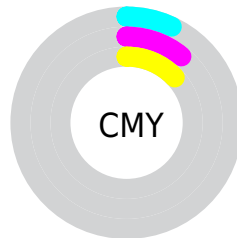
- Red (93%)
- Green (89%)
- Blue (87%)



- Red (93%)
- Yellow (89%)
- Blue (87%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (7%)





- Cyan (7%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7903, 0.3244, 0.3342 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 77.7903, 0.3244, 0.3342 by changing the saturation by 10% instead.

 77.7903, 0.3244,
0.3342

 77.7903, 0.3244,
0.3342


487.4544, 0.3190,
0.3319

 57.9017, 0.3256,
0.3347

130.2545, 0.3225,
0.3334

 41.7297, 0.3271,
0.3354


163.5989, 0.3218,
0.3331

 28.8897, 0.3290,
0.3362


202.1973, 0.3212,
0.3328

 18.9974, 0.3315,
0.3372

246.4342, 0.3207,
0.3326

 11.6684, 0.3348,
0.3386

296.6940, 0.3202,
0.3324

 6.5183, 0.3396,
0.3406

353.3610, 0.3198,

 3.1627, 0.3470,

0.3322

416.8197, 0.3194,
0.3320

0.3435

1.2173, 0.3600,
0.3485

0.0757, 0.6659,
0.3341

77.7903, 0.3244,
0.3342

77.7903, 0.3244,
0.3342

67.9066, 0.3435,
0.3419

88.7587, 0.3084,
0.3270

59.0642, 0.3661,
0.3500

96.9160, 0.3023,
0.3290

51.2313, 0.3927,
0.3582

44.3712, 0.4235,
0.3659

■ 38.4443, 0.4582,
0.3723

■ 33.4085, 0.4954,
0.3763

■ 29.2181, 0.5329,
0.3768

■ 25.8227, 0.5669,
0.3727

■ 23.1647, 0.5938,
0.3641

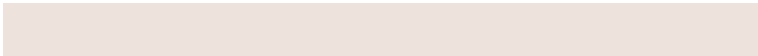
Harmonies

Analogous

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



77.7903, 0.3226, 0.3291



77.7903, 0.3244, 0.3342



77.7903, 0.3231, 0.3380

Triad

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



77.7903, 0.3244, 0.3342



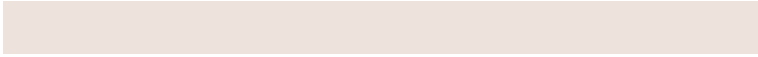
77.7903, 0.3073, 0.3341



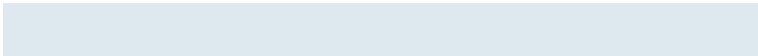
77.7903, 0.3065, 0.3188

Complementary

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



77.7903, 0.3244, 0.3342



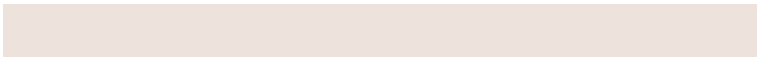
79.8427, 0.3017, 0.3237

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.



77.7903, 0.3025, 0.3200



77.7903, 0.3244, 0.3342



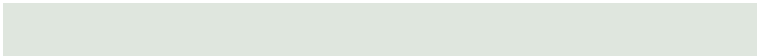
77.7903, 0.3030, 0.3288

Square

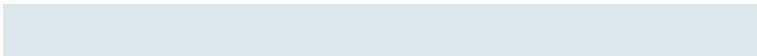
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7903, 0.3244, 0.3342



77.7903, 0.3132, 0.3379



77.7903, 0.3012, 0.3237



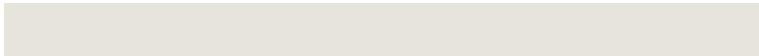
77.7903, 0.3122, 0.3203

Rectangle

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



77.7903, 0.3244, 0.3342



77.7903, 0.3206, 0.3392



77.7903, 0.3012, 0.3237



77.7903, 0.3049, 0.3189

Sweetspot

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



77.7937, 0.3244, 0.3342



97.3968, 0.3159, 0.3304



75.8022, 0.3167, 0.3165



20.8743, 0.3157, 0.3304



0.0000, 0.0000, 0.0000



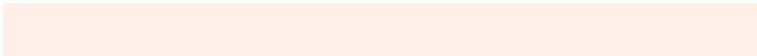
21.4041, 0.3127, 0.3290

Same Dimension

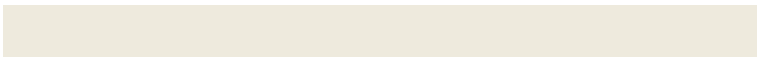
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7937, 0.3244, 0.3342



88.6899, 0.3278, 0.3356



82.4262, 0.3236, 0.3427



16.5134, 0.3286, 0.3360



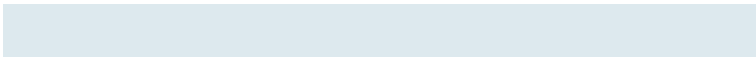
12.7601, 0.5978, 0.3636



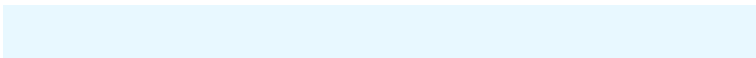
1.2273, 0.5720, 0.3840

Inverse Universe

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



79.8427, 0.3017, 0.3237



91.6887, 0.2987, 0.3223



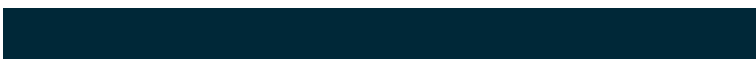
75.2446, 0.3018, 0.3149



17.1011, 0.2981, 0.3219



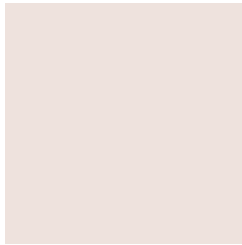
19.3579, 0.1974, 0.2307



1.7815, 0.2014, 0.2452

Previews

White Background



This preview shows how the Yxy color 77.7903, 0.3244, 0.3342 looks on a white background.

Color Contrast Check

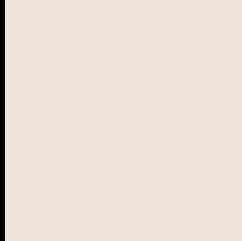
Large Text (above 18pt) WCAG AA × Fail

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 77.7903, 0.3244, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

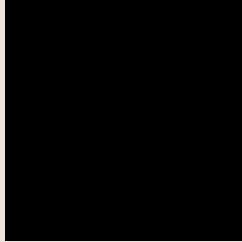
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

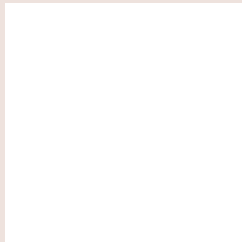
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7903, 0.3244, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 77.7903, 0.3244, 0.3342.

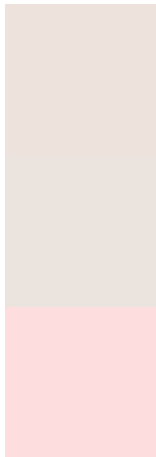


This preview shows how white text looks on a background with the Yxy color 77.7903, 0.3244, 0.3342.

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

77.7903, 0.3244, 0.3342

Protanopia

77.7045, 0.3208, 0.3343

Deuteranopia

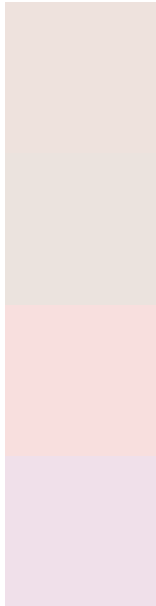
77.8695, 0.3351, 0.3281



Tritanopia

77.8270, 0.3136, 0.3107

Trichromacy



Original Color

77.7903, 0.3244, 0.3342

Protanomaly

77.8743, 0.3216, 0.3343

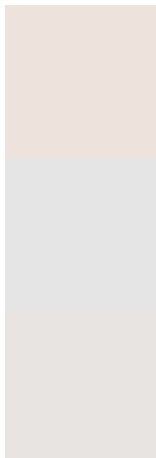
Deuteranomaly

78.0057, 0.3313, 0.3301

Tritanomaly

77.7771, 0.3174, 0.3188

Monochromacy



Original Color

77.7903, 0.3244, 0.3342

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1336, 0.3168, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7903, 0.3244, 0.3342 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(238, 226, 221)` looks like.

```
.text, #text, p{  
    color:rgb(238, 226, 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(238, 226, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 226, 221) }
```

Border

The CSS property to change the border of an element to Yxy 77.7903, 0.3244, 0.3342 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(238, 226, 221) }
```

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

```
.border{ border-color:rgb(238, 226, 221) }
```

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

Here you see how a box with a 4 pixel rgb(238, 226, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 226, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 226, 221);  
box-shadow:4px 4px 4px 4px rgb(238, 226,  
221) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.7903, 0.3244, 0.3342$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 226, 221) }
```

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

```
.background{ background-color: rgb(238,  
226, 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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