

Converting Colors

$Y_{xy}(77.9214, 0.3210, 0.3325)$

Have a look what the booklet for
Yxy(77.9214, 0.3210, 0.3325)
contains.

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Color

Yxy(78.0988, 0.3216, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	ECE3DF
RGB	236, 227, 223
RGB Percent	93%, 89%, 87%
CMY	0.0745, 0.1098, 0.1255
CMYK	0.00, 0.04, 0.06, 0.07
HSL	18°, 25%, 90%
HSV	18°, 6%, 93%
XYZ	75.3799, 78.0988, 80.9115
YIQ	229.2350, 6.6480, 0.6640

Conversions

Conversions Part 2

Format	Color
R _Y B	236, 229, 223
Decimal	15524831
CIE Lab	90.82, 2.36, 3.03
CIE LCh	91, 3.841, 52.013
Yxy	78.0988, 0.3216, 0.3332
Android (android.graphics.Color)	4293714911 (0xFFECE3DF)
YUV	229.2350, -3.0739, 5.9329
Hunter-Lab	88.3735, -2.3987, 7.5778

Details

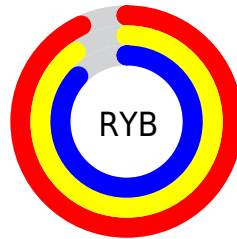
The Yxy color **78.0988, 0.3216, 0.3332** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.4528, 0.3042, 0.3248**, and the grayscale version is **78.5580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0355, 0.3233, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **68.4053, 0.3400, 0.3413**, and if you desaturate by 10%, it is **88.8234, 0.3061, 0.3257**.

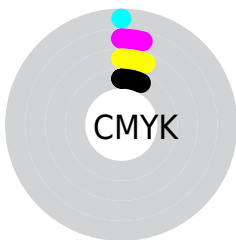
Distribution



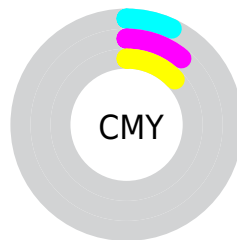
- Red (93%)
- Green (89%)
- Blue (87%)



- Red (93%)
- Yellow (90%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0988, 0.3216, 0.3332 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 78.0988, 0.3216, 0.3332 by changing the saturation by 10% instead.


 78.0988, 0.3216,
0.3332

 78.0988, 0.3216,
0.3332


488.5023, 0.3175,
0.3313

 58.1551, 0.3225,
0.3336


130.6894, 0.3202,
0.3325

 41.9334, 0.3237,
0.3341


164.1051, 0.3196,
0.3323

 29.0491, 0.3251,
0.3348


202.7803, 0.3192,
0.3321

 19.1180, 0.3269,
0.3356

247.0994, 0.3188,
0.3319

 11.7556, 0.3295,
0.3368

297.4467, 0.3184,
0.3317

 6.5775, 0.3331,
0.3384

354.2067, 0.3181,

 3.1993, 0.3386,

0.3316

0.3408

417.7638, 0.3178,
0.3314

■ 1.2366, 0.3484,
0.3450

■ 0.0913, 0.6128,
0.3872

■ 78.0988, 0.3216,
0.3332

■ 78.0988, 0.3216,
0.3332

■ 68.4053, 0.3400,
0.3413

■ 88.8234, 0.3061,
0.3257

■ 59.7018, 0.3619,
0.3497

■ 96.5729, 0.3011,
0.3290

■ 51.9595, 0.3875,
0.3583

■ 45.1443, 0.4173,
0.3665

■ 39.2201, 0.4508,
0.3736

■ 34.1481, 0.4871,
0.3784

■ 29.8865, 0.5239,
0.3798

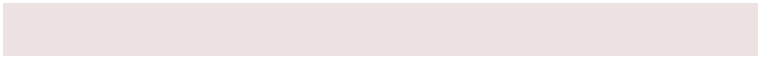
■ 26.3894, 0.5582,
0.3767

■ 23.6052, 0.5862,
0.3688

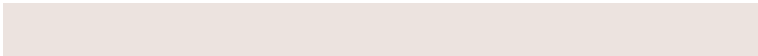
Harmonies

Analogous

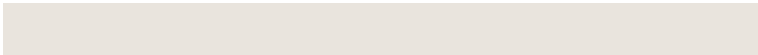
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0988, 0.3204, 0.3294



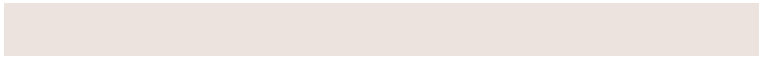
78.0988, 0.3216, 0.3332



78.0988, 0.3204, 0.3360

Triad

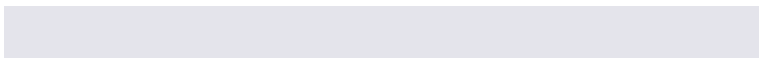
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0988, 0.3216, 0.3332



78.0988, 0.3084, 0.3326



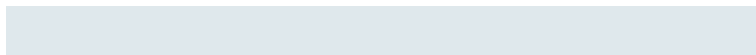
78.0988, 0.3082, 0.3213

Complementary

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



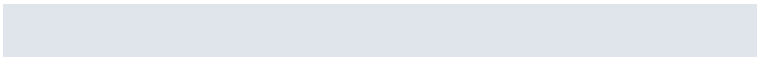
78.0988, 0.3216, 0.3332



79.4528, 0.3042, 0.3248

Split Complementary

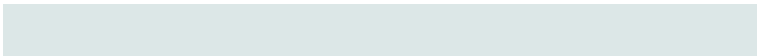
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0988, 0.3051, 0.3221



78.0988, 0.3216, 0.3332



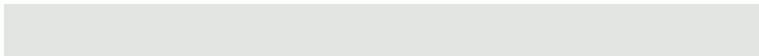
78.0988, 0.3051, 0.3286

Square

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



78.0988, 0.3216, 0.3332



78.0988, 0.3128, 0.3357



78.0988, 0.3039, 0.3247



78.0988, 0.3126, 0.3225

Rectangle

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



78.0988, 0.3216, 0.3332



78.0988, 0.3185, 0.3368



78.0988, 0.3039, 0.3247



78.0988, 0.3070, 0.3213

Sweetspot

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



78.1022, 0.3216, 0.3332



97.4456, 0.3159, 0.3305



76.4393, 0.3159, 0.3196



20.8842, 0.3157, 0.3304



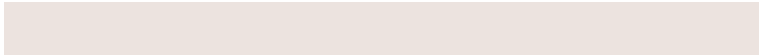
0.0000, 0.0000, 0.0000



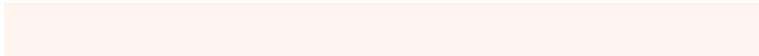
21.4041, 0.3127, 0.3290

Same Dimension

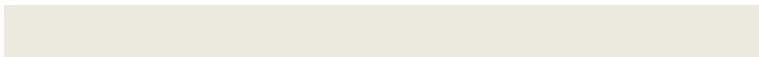
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1022, 0.3216, 0.3332



91.2765, 0.3242, 0.3344



81.6650, 0.3211, 0.3398



16.2108, 0.3251, 0.3348



12.6397, 0.5939, 0.3667



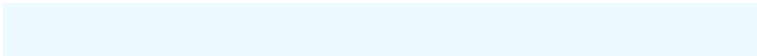
1.1577, 0.5668, 0.3882

Inverse Universe

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



79.4528, 0.3042, 0.3248



93.3098, 0.3019, 0.3235



75.9187, 0.3043, 0.3180



16.6010, 0.3010, 0.3231



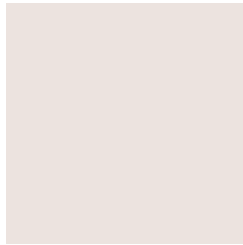
18.0664, 0.1959, 0.2253



1.5879, 0.2004, 0.2414

Previews

White Background



This preview shows how the Yxy color 78.0988, 0.3216, 0.3332 looks on a white background.

Color Contrast Check

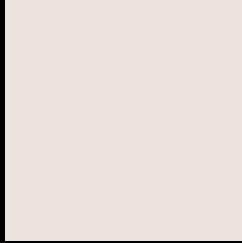
Large Text (above 18pt) WCAG AA × Fail

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 78.0988, 0.3216, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

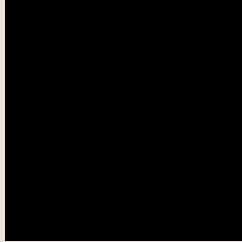
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

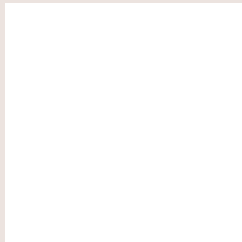
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0988, 0.3216, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 78.0988, 0.3216, 0.3332.

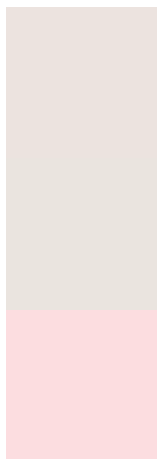


This preview shows how white text looks on a background with the Yxy color 78.0988, 0.3216, 0.3332.

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

78.0988, 0.3216, 0.3332

Protanopia

78.3069, 0.3201, 0.3343

Deuteranopia

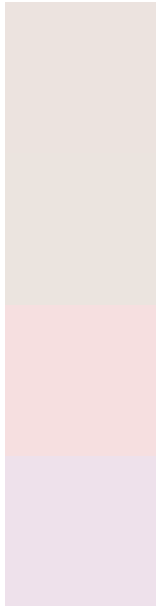
77.7902, 0.3330, 0.3260



Tritanopia

78.0728, 0.3115, 0.3107

Trichromacy



Original Color

78.0988, 0.3216, 0.3332

Protanomaly

78.4767, 0.3208, 0.3342

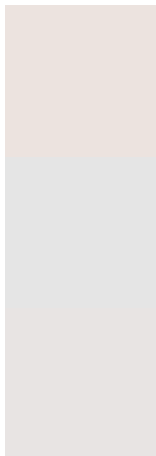
Deuteranomaly

77.7500, 0.3284, 0.3280

Tritanomaly

78.0257, 0.3153, 0.3187

Monochromacy



Original Color

78.0988, 0.3216, 0.3332

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1887, 0.3161, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0988, 0.3216, 0.3332 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(236, 227, 223)` looks like.

```
.text, #text, p{  
    color:rgb(236, 227, 223)  
}
```

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(236, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 227, 223) }
```

Border

The CSS property to change the border of an element to Yxy 78.0988, 0.3216, 0.3332 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(236, 227, 223) }
```

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

```
.border{ border-color:rgb(236, 227, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 227, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 227, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 227, 223);  
box-shadow:4px 4px 4px 4px rgb(236, 227,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0988, 0.3216, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 227, 223) }
```

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

```
.background{ background-color: rgb(236,  
227, 223) }
```

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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