

Converting Colors

$Yxy(77.2987, 0.3222, 0.3319)$

Have a look what the booklet for
Yxy(77.2987, 0.3222, 0.3319)
contains.

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Color

Yxy(77.0110, 0.3218, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	ECE1DF
RGB	236, 225, 223
RGB Percent	93%, 88%, 87%
CMY	0.0743, 0.1177, 0.1255
CMYK	0.00, 0.05, 0.06, 0.07
HSL	9°, 26%, 90%
HSV	9°, 6%, 93%
XYZ	74.8479, 77.0110, 80.7325
YIQ	228.0610, 7.1980, 1.7100

Conversions

Conversions Part 2

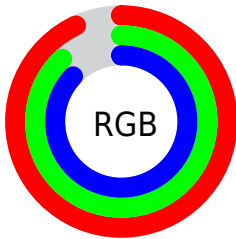
Format	Color
R _Y B	236, 225, 223
Decimal	15524319
CIE Lab	90.33, 3.42, 2.30
CIE LCh	90, 4.123, 33.940
Yxy	77.0110, 0.3218, 0.3311
Android (android.graphics.Color)	4293714399 (0xFFECE1DF)
YUV	228.0610, -2.4951, 6.9625
Hunter-Lab	87.7559, -1.3284, 6.8843

Details

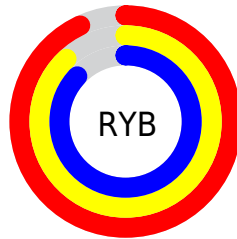
The Yxy color **77.0110, 0.3218, 0.3311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.6261, 0.3042, 0.3269**, and the grayscale version is **77.6508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.2799, 0.3236, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **65.6383, 0.3410, 0.3351**, and if you desaturate by 10%, it is **89.8353, 0.3061, 0.3274**.

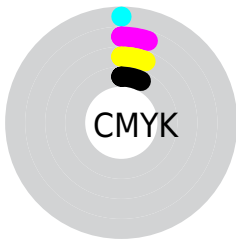
Distribution



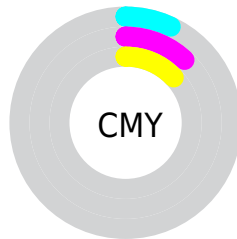
- Red (93%)
- Green (88%)
- Blue (87%)



- Red (93%)
- Yellow (88%)
- Blue (87%)



- Cyan (0%)
- Magenta (5%)
- Yellow (6%)
- Black (7%)





- Cyan (7%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0110, 0.3218, 0.3311 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 77.0110, 0.3218, 0.3311 by changing the saturation by 10% instead.


 77.0110, 0.3218,
0.3311

 77.0110, 0.3218,
0.3311


484.8015, 0.3176,
0.3302

 57.2619, 0.3227,
0.3313


129.1550, 0.3204,
0.3308

 41.2156, 0.3239,
0.3316


162.3187, 0.3198,
0.3307

 28.4876, 0.3254,
0.3319


200.7227, 0.3193,
0.3305

 18.6935, 0.3273,
0.3323

244.7515, 0.3189,
0.3304

 11.4490, 0.3299,
0.3328

294.7893, 0.3185,
0.3304

 6.3697, 0.3337,
0.3336

351.2207, 0.3182,

 3.0712, 0.3395,

0.3303

414.4300, 0.3179,
0.3302

0.3348

1.1690, 0.3498,
0.3366

0.0362, 0.7652,
0.2348

77.0110, 0.3218,
0.3311

77.0110, 0.3218,
0.3311

65.6383, 0.3410,
0.3351

89.8353, 0.3061,
0.3274

55.6562, 0.3645,
0.3394

96.5809, 0.3012,
0.3290

47.0143, 0.3929,
0.3437

39.6552, 0.4267,
0.3478

■ 33.5174, 0.4659,
0.3510

■ 28.5342, 0.5088,
0.3528

■ 24.6327, 0.5521,
0.3522

■ 21.7311, 0.5905,
0.3488

■ 19.7358, 0.6184,
0.3428

Harmonies

Analogous

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



77.0110, 0.3190, 0.3268



77.0110, 0.3218, 0.3311



77.0110, 0.3221, 0.3349

Triad

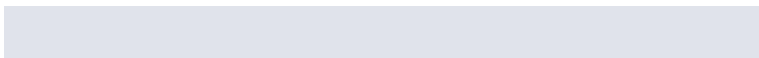
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0110, 0.3218, 0.3311



77.0110, 0.3108, 0.3351



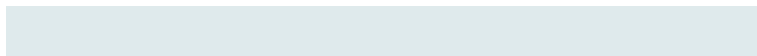
77.0110, 0.3056, 0.3209

Complementary

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



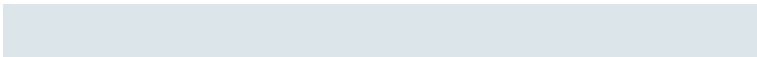
77.0110, 0.3218, 0.3311



80.6261, 0.3042, 0.3269

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.



77.0110, 0.3034, 0.3231



77.0110, 0.3218, 0.3311



77.0110, 0.3064, 0.3312

Square

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



77.0110, 0.3218, 0.3311



77.0110, 0.3157, 0.3372



77.0110, 0.3037, 0.3268



77.0110, 0.3097, 0.3209

Rectangle

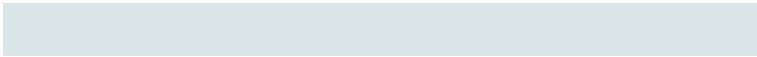
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



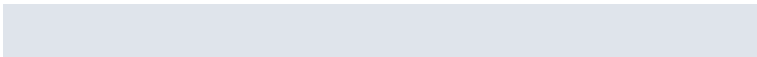
77.0110, 0.3218, 0.3311



77.0110, 0.3209, 0.3366



77.0110, 0.3037, 0.3268



77.0110, 0.3046, 0.3214

Sweetspot

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



77.0144, 0.3218, 0.3311



96.9489, 0.3159, 0.3298



76.5633, 0.3146, 0.3175



20.7830, 0.3157, 0.3297



0.0000, 0.0000, 0.0000



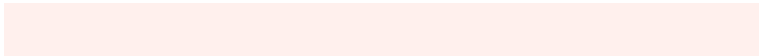
21.4041, 0.3127, 0.3290

Same Dimension

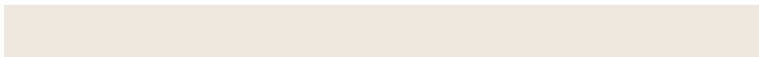
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0144, 0.3218, 0.3311



89.6275, 0.3244, 0.3317



80.5904, 0.3213, 0.3378



15.8950, 0.3254, 0.3319



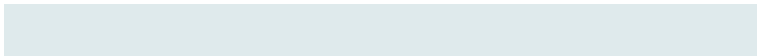
10.6415, 0.6253, 0.3417



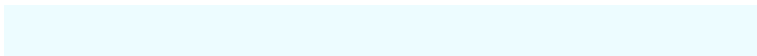
0.9491, 0.6020, 0.3602

Inverse Universe

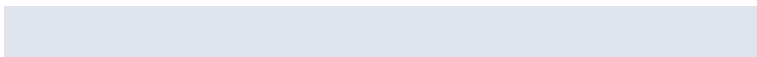
The Inverse Universe completely reimagines the original color for something new.



80.6261, 0.3042, 0.3269



95.0465, 0.3018, 0.3263



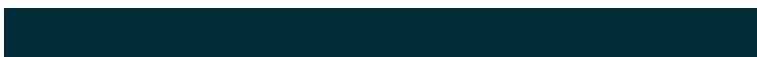
76.9967, 0.3043, 0.3200



16.9350, 0.3010, 0.3261



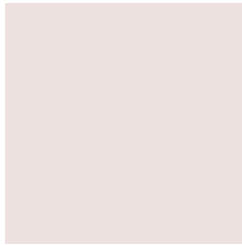
26.2684, 0.2111, 0.2799



2.1685, 0.2132, 0.2874

Previews

White Background



This preview shows how the Yxy color 77.0110, 0.3218, 0.3311 looks on a white background.

Color Contrast Check

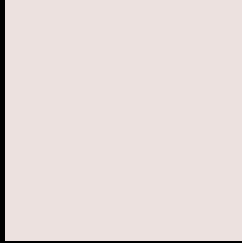
Large Text (above 18pt) WCAG AA × Fail

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 77.0110, 0.3218, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

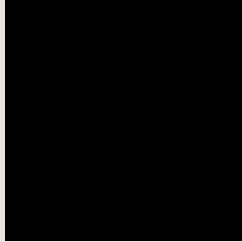
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

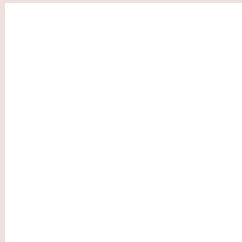
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0110, 0.3218, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 77.0110, 0.3218, 0.3311.

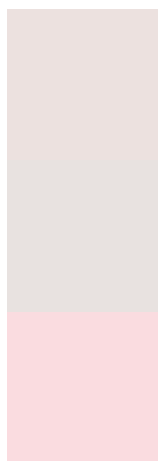


This preview shows how white text looks on a background with the Yxy color 77.0110, 0.3218, 0.3311.

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

77.0110, 0.3218, 0.3311

Protanopia

76.9303, 0.3182, 0.3311

Deuteranopia

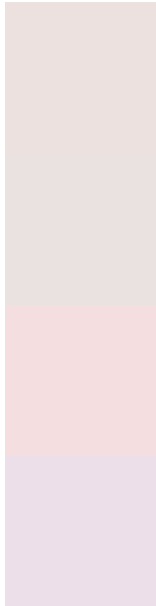
76.8922, 0.3317, 0.3250



Tritanopia

76.7110, 0.3122, 0.3106

Trichromacy



Original Color

77.0110, 0.3218, 0.3311

Protanomaly

77.0982, 0.3189, 0.3311

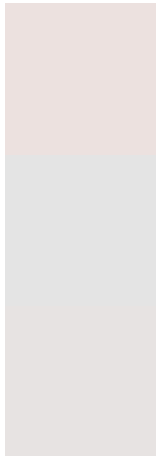
Deuteranomaly

77.0368, 0.3278, 0.3270

Tritanomaly

76.7204, 0.3154, 0.3177

Monochromacy



Original Color

77.0110, 0.3218, 0.3311

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.4181, 0.3161, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0110, 0.3218, 0.3311 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, 225, 223)` looks like.

```
.text, #text, p{  
    color:rgb(236, 225, 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, 225, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 225, 223) }
```

Border

The CSS property to change the border of an element to Yxy 77.0110, 0.3218, 0.3311 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, 225, 223) }
```

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

```
.border{ border-color:rgb(236, 225, 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, 225, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 225, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 225, 223);  
box-shadow:4px 4px 4px 4px rgb(236, 225,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0110, 0.3218, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 225, 223) }
```

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

```
.background{ background-color: rgb(236,  
225, 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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