

Converting Colors

$Y_{xy}(80.8515, 0.3209, 0.3381)$

Have a look what the booklet for
Yxy(80.8515, 0.3209, 0.3381)
contains.

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Color

Yxy(80.8738, 0.3212, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	ECE8DF
RGB	236, 232, 223
RGB Percent	93%, 91%, 87%
CMY	0.0745, 0.0902, 0.1256
CMYK	0.00, 0.02, 0.06, 0.07
HSL	42°, 26%, 90%
HSV	42°, 6%, 93%
XYZ	76.7632, 80.8738, 81.3518
YIQ	232.1700, 5.2730, -1.9510

Conversions

Conversions Part 2

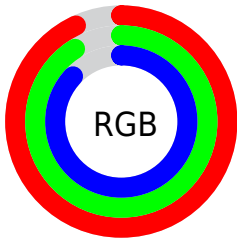
Format	Color
R _Y B	229, 236, 223
Decimal	15526111
CIE Lab	92.08, -0.21, 4.86
CIE LCh	92, 4.860, 92.501
Yxy	80.8738, 0.3212, 0.3384
Android (android.graphics.Color)	4293716191 (0xFFECE8DF)
YUV	232.1700, -4.5208, 3.3589
Hunter-Lab	89.9299, -5.0115, 9.3164

Details

The Yxy color **80.8738, 0.3212, 0.3384** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.6515, 0.3043, 0.3194**, and the grayscale version is **80.8619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5811, 0.3229, 0.3398** is the 20% darker color. If you saturate the color by 10%, you get **75.7096, 0.3378, 0.3561**, and if you desaturate by 10%, it is **86.3894, 0.3062, 0.3216**.

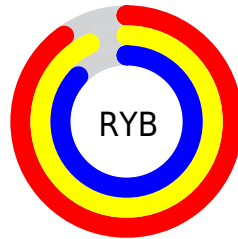
Distribution



Red (93%)

Green (91%)

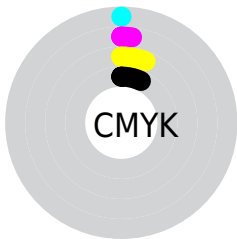
Blue (87%)



Red (90%)

Yellow (93%)

Blue (87%)

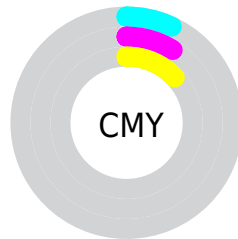


Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (7%)



Cyan (7%)

Magenta (9%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8738, 0.3212, 0.3384 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 80.8738, 0.3212, 0.3384 by changing the saturation by 10% instead.

80.8738, 0.3212,
0.3384

80.8738, 0.3212,
0.3384

497.8727, 0.3173,
0.3341

60.4377, 0.3221,
0.3394

134.5936, 0.3199,
0.3369

43.7715, 0.3231,
0.3405

168.6460, 0.3194,
0.3364

30.4909, 0.3245,
0.3420

208.0059, 0.3189,
0.3359

20.2115, 0.3262,
0.3439

253.0578, 0.3185,
0.3354

12.5489, 0.3285,
0.3465

304.1861, 0.3182,
0.3350

7.1186, 0.3318,
0.3501

361.7750, 0.3179,

3.5364, 0.3368,

0.3347

0.3557

426.2091, 0.3176,
0.3344

■ 1.4178, 0.3453,
0.3652

■ 0.2298, 0.4813,
0.5187

■ 80.8738, 0.3212,
0.3384

■ 80.8738, 0.3212,
0.3384

■ 75.7096, 0.3378,
0.3561

■ 86.3894, 0.3062,
0.3216

■ 70.8772, 0.3558,
0.3744

■ 91.2391, 0.3012,
0.3205

■ 66.3700, 0.3751,
0.3927

■ 95.7284, 0.3011,
0.3277

■ 62.1778, 0.3953,
0.4103

■ 96.5724, 0.3011,
0.3290

■ 58.2892, 0.4158,
0.4262

■ 54.6920, 0.4356,
0.4394

■ 51.3726, 0.4539,
0.4487

■ 48.3153, 0.4697,
0.4533

■ 45.5015, 0.4823,
0.4527

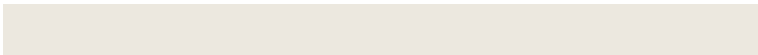
Harmonies

Analogous

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



80.8738, 0.3237, 0.3357



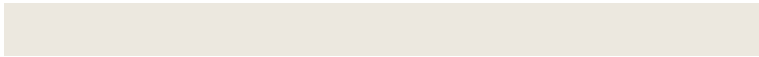
80.8738, 0.3212, 0.3384



80.8738, 0.3165, 0.3386

Triad

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



80.8738, 0.3212, 0.3384



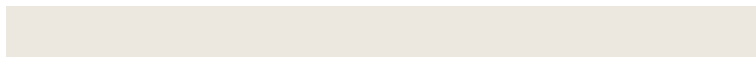
80.8738, 0.3024, 0.3267



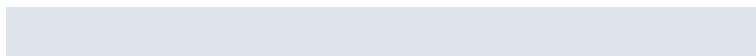
80.8738, 0.3146, 0.3220

Complementary

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



80.8738, 0.3212, 0.3384



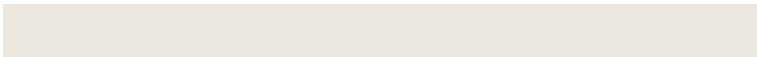
76.6515, 0.3043, 0.3194

Split Complementary

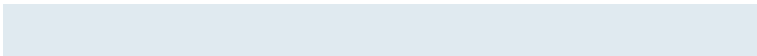
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8738, 0.3089, 0.3196



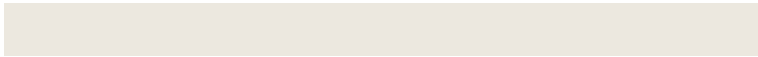
80.8738, 0.3212, 0.3384



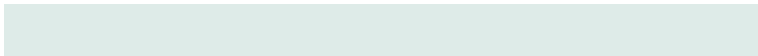
80.8738, 0.3019, 0.3223

Square

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



80.8738, 0.3212, 0.3384



80.8738, 0.3056, 0.3318



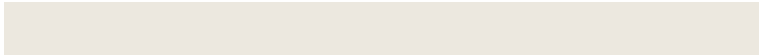
80.8738, 0.3043, 0.3197



80.8738, 0.3198, 0.3262

Rectangle

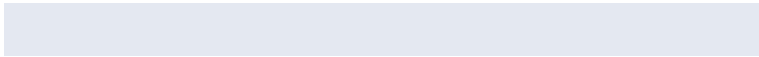
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8738, 0.3212, 0.3384



80.8738, 0.3127, 0.3373



80.8738, 0.3043, 0.3197



80.8738, 0.3127, 0.3209

Sweetspot

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



80.8773, 0.3212, 0.3384



98.6843, 0.3157, 0.3324



76.1412, 0.3192, 0.3247



21.1364, 0.3156, 0.3322



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.



80.8773, 0.3212, 0.3384



95.4679, 0.3236, 0.3410



82.7414, 0.3192, 0.3425



17.0152, 0.3245, 0.3420



24.6632, 0.4858, 0.4524



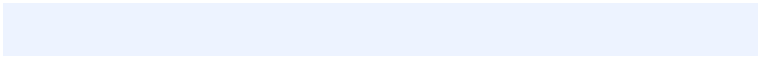
2.1053, 0.4744, 0.4615

Inverse Universe

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



76.6515, 0.3043, 0.3194



89.1193, 0.3019, 0.3167



74.8784, 0.3060, 0.3152



15.7968, 0.3010, 0.3157



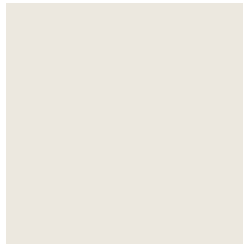
6.1084, 0.1615, 0.1014



0.6442, 0.1691, 0.1287

Previews

White Background



This preview shows how the Yxy color 80.8738, 0.3212, 0.3384 looks on a white background.

Color Contrast Check

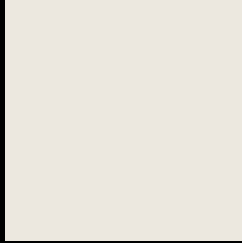
Large Text (above 18pt) WCAG AA × Fail

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 80.8738, 0.3212, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

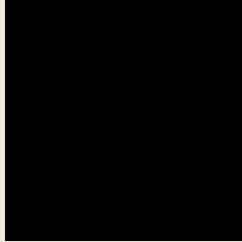
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

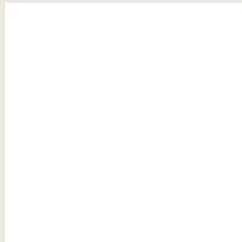
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8738, 0.3212, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 80.8738, 0.3212, 0.3384.

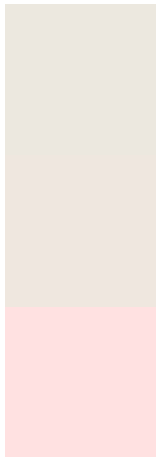


This preview shows how white text looks on a background with the Yxy color 80.8738, 0.3212, 0.3384.

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

80.8738, 0.3212, 0.3384

Protanopia

80.8303, 0.3234, 0.3373

Deuteranopia

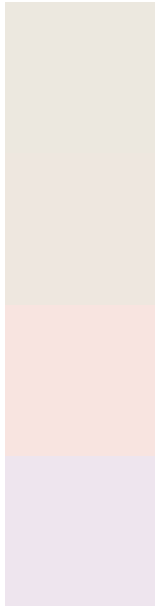
80.5467, 0.3340, 0.3291



Tritanopia

80.4913, 0.3088, 0.3108

Trichromacy



Original Color

80.8738, 0.3212, 0.3384

Protanomaly

80.6567, 0.3227, 0.3373

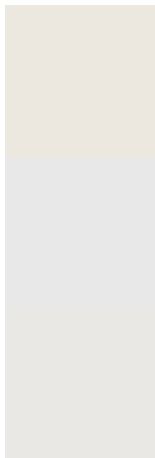
Deuteranomaly

80.8251, 0.3293, 0.3331

Tritanomaly

80.3888, 0.3131, 0.3198

Monochromacy



Original Color

80.8738, 0.3212, 0.3384

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.6940, 0.3153, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8738, 0.3212, 0.3384 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, 232, 223)` looks like.

```
.text, #text, p{  
    color:rgb(236, 232, 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, 232, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 232, 223) }
```

Border

The CSS property to change the border of an element to Yxy 80.8738, 0.3212, 0.3384 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, 232, 223) }
```

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

```
.border{ border-color:rgb(236, 232, 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, 232, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 232, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 232, 223);  
box-shadow:4px 4px 4px 4px rgb(236, 232,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8738, 0.3212, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 232, 223) }
```

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

```
.background{ background-color: rgb(236,  
232, 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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