

Converting Colors

$Yxy(80.8908, 0.3209, 0.3432)$

Have a look what the booklet for
Yxy(80.8908, 0.3209, 0.3432)
contains.

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Color

Yxy(80.7688, 0.3209, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	E9E9DC
RGB	233, 233, 220
RGB Percent	91%, 91%, 86%
CMY	0.0865, 0.0862, 0.1371
CMYK	0.00, 0.00, 0.06, 0.09
HSL	60°, 23%, 89%
HSV	60°, 6%, 91%
XYZ	75.6530, 80.7688, 79.3307
YIQ	231.5180, 4.1730, -4.0430

Conversions

Conversions Part 2

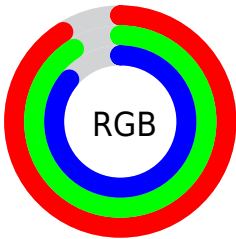
Format	Color
R _Y B	220, 233, 220
Decimal	15329756
CIE Lab	92.03, -2.27, 6.29
CIE LCh	92, 6.686, 109.811
Yxy	80.7688, 0.3209, 0.3426
Android (android.graphics.Color)	4293519836 (0xFFE9E9DC)
YUV	231.5180, -5.6784, 1.2997
Hunter-Lab	89.8715, -7.0154, 10.5740

Details

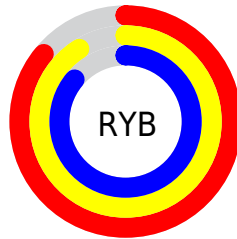
The Yxy color **80.7688, 0.3209, 0.3426** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.3147, 0.3043, 0.3150**, and the grayscale version is **80.3568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5080, 0.3226, 0.3453** is the 20% darker color. If you saturate the color by 10%, you get **79.6034, 0.3359, 0.3676**, and if you desaturate by 10%, it is **82.1133, 0.3064, 0.3185**.

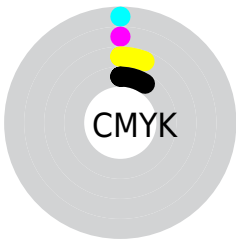
Distribution



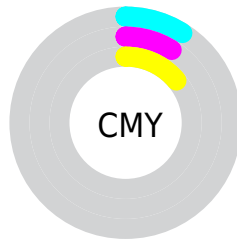
- Red (91%)
- Green (91%)
- Blue (86%)



- Red (86%)
- Yellow (91%)
- Blue (86%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (9%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7688, 0.3209, 0.3426 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 80.7688, 0.3209, 0.3426 by changing the saturation by 10% instead.

80.7688, 0.3209,
0.3426

80.7688, 0.3209,
0.3426

497.5200, 0.3172,
0.3364

60.3512, 0.3217,
0.3440

134.4461, 0.3196,
0.3405

43.7018, 0.3227,
0.3457

168.4746, 0.3191,
0.3396

30.4361, 0.3240,
0.3479

207.8088, 0.3187,
0.3389

20.1699, 0.3257,
0.3507

252.8332, 0.3183,
0.3383

12.5186, 0.3279,
0.3545

303.9321, 0.3180,
0.3377

7.0979, 0.3309,
0.3599

361.4899, 0.3177,

3.5234, 0.3356,

0.3372

0.3682

425.8911, 0.3174,
0.3368

■ 1.4107, 0.3435,
0.3825

■ 0.2246, 0.4132,
0.5868

■ 80.7688, 0.3209,
0.3426

■ 80.7688, 0.3209,
0.3426

■ 79.6034, 0.3359,
0.3676

■ 82.1133, 0.3064,
0.3185

■ 78.5996, 0.3511,
0.3929

■ 82.8611, 0.2994,
0.3068

■ 77.7532, 0.3659,
0.4175

■ 82.8799, 0.2995,
0.3068

■ 77.0562, 0.3798,
0.4407


■ 82.8987, 0.2995,
0.3068


 76.4995, 0.3921,
0.4613


 82.9176, 0.2996,
0.3068

 76.0735, 0.4024,
0.4785

 82.9364, 0.2997,
0.3068


 75.7669, 0.4101,
0.4916

 82.9553, 0.2998,
0.3069

 75.5670, 0.4152,
0.5003

 82.9742, 0.2998,
0.3069

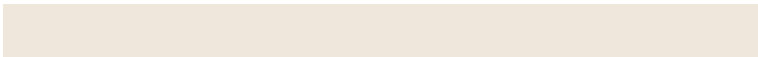
 75.4576, 0.4178,
0.5048

 82.9930, 0.2999,
0.3069

Harmonies

Analogous

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



80.7688, 0.3263, 0.3407



80.7688, 0.3209, 0.3426



80.7688, 0.3134, 0.3408

Triad

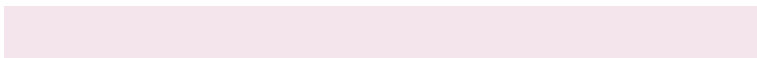
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7688, 0.3209, 0.3426



80.7688, 0.2977, 0.3220



80.7688, 0.3197, 0.3225

Complementary

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



80.7688, 0.3209, 0.3426



72.3147, 0.3043, 0.3150

Split Complementary

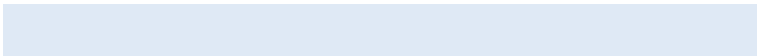
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7688, 0.3119, 0.3176



80.7688, 0.3209, 0.3426



80.7688, 0.2993, 0.3173

Square

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



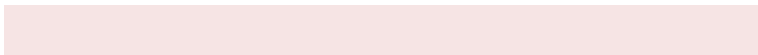
80.7688, 0.3209, 0.3426



80.7688, 0.3000, 0.3288



80.7688, 0.3045, 0.3157



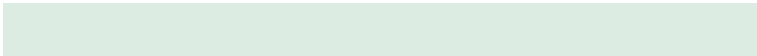
80.7688, 0.3256, 0.3290

Rectangle

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



80.7688, 0.3209, 0.3426



80.7688, 0.3081, 0.3377



80.7688, 0.3045, 0.3157



80.7688, 0.3172, 0.3206

Sweetspot

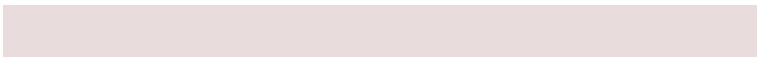
The Sweet Spot groups the original color and five complimentary colors.



80.7723, 0.3209, 0.3426



99.6712, 0.3156, 0.3339



73.6962, 0.3220, 0.3290



21.3372, 0.3155, 0.3336



0.0000, 0.0000, 0.0000



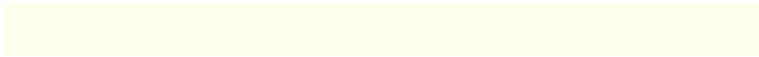
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7723, 0.3209, 0.3426



98.8870, 0.3231, 0.3462



79.7096, 0.3165, 0.3428



17.6731, 0.3239, 0.3476



42.7933, 0.4185, 0.5059



3.3615, 0.4186, 0.5058

Inverse Universe

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



72.3147, 0.3043, 0.3150



85.9204, 0.3020, 0.3112



73.3384, 0.3088, 0.3152



15.1845, 0.3011, 0.3098



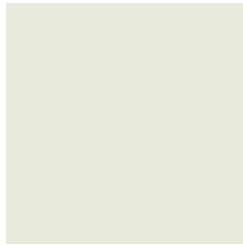
3.3438, 0.1502, 0.0601



0.2638, 0.1506, 0.0603

Previews

White Background



This preview shows how the Yxy color 80.7688, 0.3209, 0.3426 looks on a white background.

Color Contrast Check

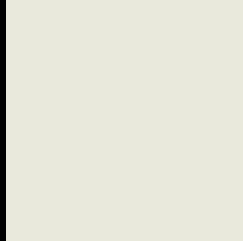
Large Text (above 18pt) WCAG AA × Fail

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 80.7688, 0.3209, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

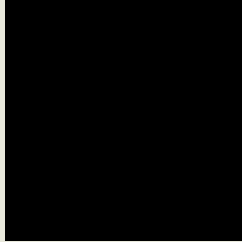
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

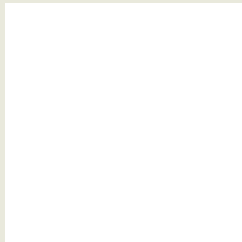
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7688, 0.3209, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 80.7688, 0.3209, 0.3426.

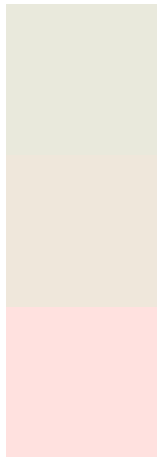


This preview shows how white text looks on a background with the Yxy color 80.7688, 0.3209, 0.3426.

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

80.7688, 0.3209, 0.3426

Protanopia

80.6170, 0.3260, 0.3415

Deuteranopia

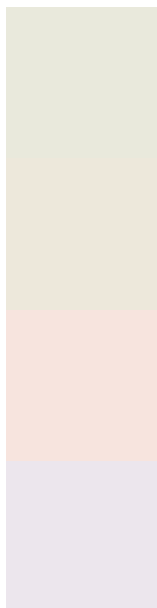
80.4381, 0.3354, 0.3311



Tritanopia

80.7585, 0.3068, 0.3108

Trichromacy



Original Color

80.7688, 0.3209, 0.3426

Protanomaly

80.8322, 0.3245, 0.3425

Deuteranomaly

80.5349, 0.3300, 0.3352

Tritanomaly

80.5409, 0.3124, 0.3218

Monochromacy



Original Color

80.7688, 0.3209, 0.3426

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.4705, 0.3152, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7688, 0.3209, 0.3426 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, 233, 220)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 220)  
}
```

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, 233, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 220) }
```

Border

The CSS property to change the border of an element to Yxy 80.7688, 0.3209, 0.3426 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, 233, 220) }
```

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

```
.border{ border-color:rgb(233, 233, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 233, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 220);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7688, 0.3209, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 220) }
```

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

```
.background{ background-color: rgb(233,  
233, 220) }
```

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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