

Converting Colors

Yxy(80.6523, 0.3193, 0.3368)

Have a look what the booklet for
Yxy(80.6523, 0.3193, 0.3368)
contains.

Yxy(80.7572, 0.3198, 0.3373)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.7572, 0.3198, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	EBE8E0
RGB	235, 232, 224
RGB Percent	92%, 91%, 88%
CMY	0.0786, 0.0901, 0.1214
CMYK	0.00, 0.01, 0.05, 0.08
HSL	44°, 21%, 90%
HSV	44°, 5%, 92%
XYZ	76.5673, 80.7572, 82.0980
YIQ	231.9850, 4.3560, -1.8520

Conversions

Conversions Part 2

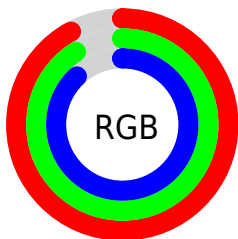
Format	Color
RYB	228, 235, 224
Decimal	15460576
CIELab	92.02, -0.38, 4.21
CIELCh	92, 4.230, 95.215
Yxy	80.7572, 0.3198, 0.3373
Android (android.graphics.Color)	4293650656 (0xFFE8E8E0)
YUV	231.9850, -3.9366, 2.6442
Hunter-Lab	89.8650, -5.1772, 8.7399

Details

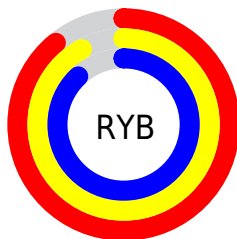
The Yxy color $80.7572, 0.3198, 0.3373$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $76.7820, 0.3056, 0.3206$, and the grayscale version is $80.7122, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.4989, 0.3211, 0.3384$ is the 20% darker color. If you saturate the color by 10%, you get $76.0618, 0.3361, 0.3558$, and if you desaturate by 10%, it is $85.7649, 0.3050, 0.3197$.

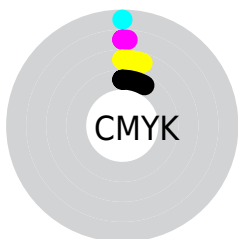
Distribution



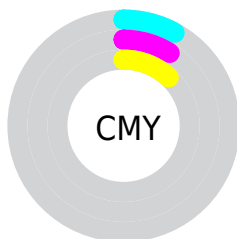
- Red (92%)
- Green (91%)
- Blue (88%)



- Red (89%)
- Yellow (92%)
- Blue (88%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7572, 0.3198, 0.3373 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 80.7572, 0.3198, 0.3373 by changing the saturation by 10% instead.

80.7572, 0.3198,
0.3373

80.7572, 0.3198,
0.3373

497.4810, 0.3166,
0.3335

60.3417, 0.3205,
0.3381

134.4298, 0.3187,
0.3360

43.6941, 0.3214,
0.3392

168.4556, 0.3183,
0.3355

30.4301, 0.3225,
0.3405

207.7870, 0.3179,
0.3351

20.1653, 0.3240,
0.3422

252.8083, 0.3176,
0.3347

12.5152, 0.3259,
0.3445

303.9040, 0.3173,
0.3343

7.0956, 0.3286,
0.3477

361.4584, 0.3170,

3.5220, 0.3328,

0.3340

425.8559, 0.3168,
0.3338

0.3526

1.4099, 0.3399,
0.3611

0.2240, 0.4760,
0.5240

80.7572, 0.3198,
0.3373

80.7572, 0.3198,
0.3373

76.0618, 0.3361,
0.3558

85.7649, 0.3050,
0.3197

71.6597, 0.3537,
0.3749

90.0067, 0.3005,
0.3187

67.5454, 0.3724,
0.3940

93.9086, 0.3005,
0.3251

63.7093, 0.3917,
0.4125

96.3964, 0.3005,
0.3290

■ 60.1408, 0.4111,
0.4293

■ 56.8287, 0.4298,
0.4434

■ 53.7603, 0.4468,
0.4537

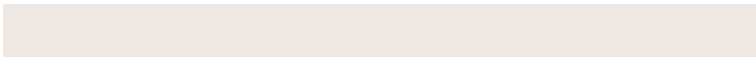
■ 50.9211, 0.4613,
0.4593

■ 48.2937, 0.4727,
0.4600

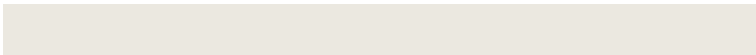
Harmonies

Analogous

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



80.7572, 0.3222, 0.3351



80.7572, 0.3198, 0.3373



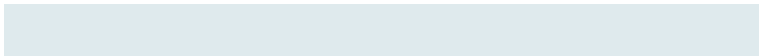
80.7572, 0.3156, 0.3373

Triad

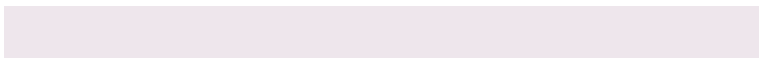
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7572, 0.3198, 0.3373



80.7572, 0.3036, 0.3266



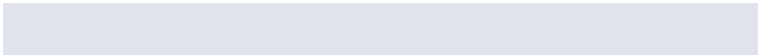
80.7572, 0.3148, 0.3232

Complementary

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



80.7572, 0.3198, 0.3373



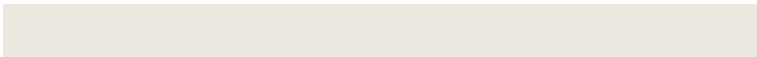
76.7820, 0.3056, 0.3206

Split Complementary

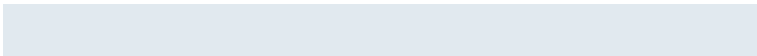
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7572, 0.3098, 0.3209



80.7572, 0.3198, 0.3373



80.7572, 0.3034, 0.3229

Square

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



80.7572, 0.3198, 0.3373



80.7572, 0.3062, 0.3311



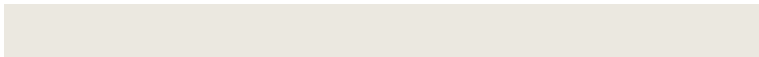
80.7572, 0.3057, 0.3208



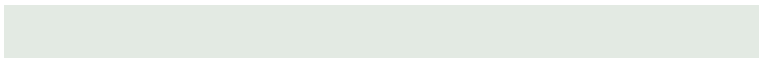
80.7572, 0.3193, 0.3269

Rectangle

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



80.7572, 0.3198, 0.3373



80.7572, 0.3122, 0.3360



80.7572, 0.3057, 0.3208



80.7572, 0.3132, 0.3222

Sweetspot

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



80.7607, 0.3198, 0.3373



99.3980, 0.3142, 0.3308



76.5408, 0.3184, 0.3258



21.2816, 0.3141, 0.3307



0.0000, 0.0000, 0.0000



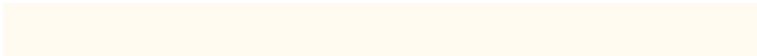
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7607, 0.3198, 0.3373



96.4439, 0.3220, 0.3398



82.0372, 0.3180, 0.3404



17.1888, 0.3229, 0.3409



26.3668, 0.4766, 0.4597



2.2282, 0.4669, 0.4675

Inverse Universe

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



76.7820, 0.3056, 0.3206



90.2945, 0.3035, 0.3180



75.5614, 0.3073, 0.3175



15.9844, 0.3026, 0.3168



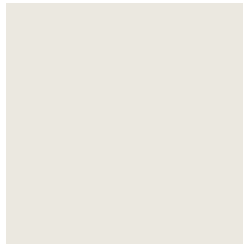
5.5284, 0.1593, 0.0933



0.5890, 0.1666, 0.1199

Previews

White Background



This preview shows how the Yxy color 80.7572, 0.3198, 0.3373 looks on a white background.

Color Contrast Check

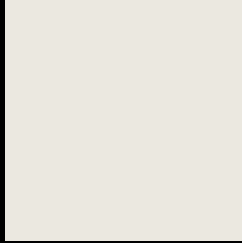
Large Text (above 18pt) WCAG AA × Fail

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 80.7572, 0.3198, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

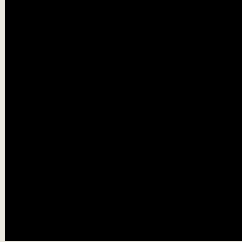
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

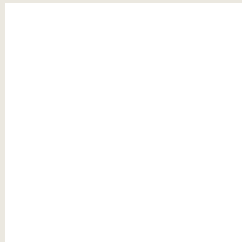
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7572, 0.3198, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 80.7572, 0.3198, 0.3373.

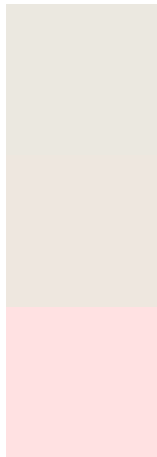


This preview shows how white text looks on a background with the Yxy color 80.7572, 0.3198, 0.3373.

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

80.7572, 0.3198, 0.3373

Protanopia

80.6567, 0.3227, 0.3373

Deuteranopia

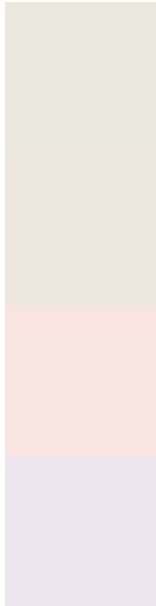
80.6014, 0.3333, 0.3281



Tritanopia

80.9312, 0.3075, 0.3108

Trichromacy



Original Color

80.7572, 0.3198, 0.3373

Protanomaly

80.4841, 0.3220, 0.3373

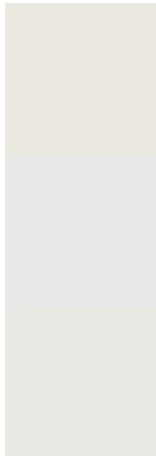
Deuteranomaly

80.8795, 0.3287, 0.3321

Tritanomaly

80.8301, 0.3118, 0.3198

Monochromacy



Original Color

80.7572, 0.3198, 0.3373

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 80.7572, 0.3198, 0.3373 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(235, 232, 224)` looks like.

```
.text, #text, p{  
    color:rgb(235, 232, 224)  
}
```

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(235, 232, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 232, 224) }
```

Border

The CSS property to change the border of an element to Yxy 80.7572, 0.3198, 0.3373 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(235, 232, 224) }
```

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

```
.border{ border-color:rgb(235, 232, 224) }
```

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

Here you see how a box with a 4 pixel rgb(235, 232, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 232, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 232, 224);  
box-shadow:4px 4px 4px 4px rgb(235, 232,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7572, 0.3198, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 232, 224) }
```

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

```
.background{ background-color: rgb(235,  
232, 224) }
```

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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