

Converting Colors

$Yxy(75.8509, 0.3149, 0.3322)$

Have a look what the booklet for
Yxy(75.8509, 0.3149, 0.3322)
contains.

Yxy(75.8892, 0.3147, 0.3322)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(75.8892, 0.3147, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	E2E2DF
RGB	226, 226, 223
RGB Percent	89%, 89%, 87%
CMY	0.1135, 0.1138, 0.1255
CMYK	0.00, 0.00, 0.01, 0.11
HSL	59°, 5%, 88%
HSV	59°, 1%, 89%
XYZ	71.8914, 75.8892, 80.6637
YIQ	225.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

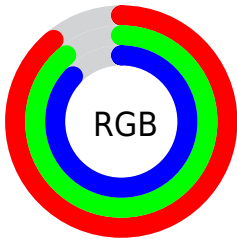
Format	Color
R _Y B	223, 226, 223
Decimal	14869215
CIE Lab	89.81, -0.50, 1.46
CIE LCh	90, 1.544, 109.065
Yxy	75.8892, 0.3147, 0.3322
Android (android.graphics.Color)	4293059295 (0xFFE2E2DF)
YUV	225.6580, -1.3104, 0.2999
Hunter-Lab	87.1144, -5.1426, 6.0804

Details

The Yxy color $75.8892, 0.3147, 0.3322$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $73.9869, 0.3107, 0.3258$, and the grayscale version is $75.8095, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $40.6109, 0.3152, 0.3332$ is the 20% darker color. If you saturate the color by 10%, you get $74.4867, 0.3297, 0.3564$, and if you desaturate by 10%, it is $77.4618, 0.3004, 0.3091$.

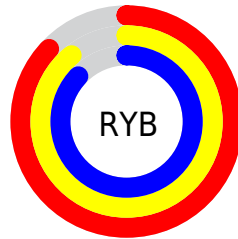
Distribution



Red (89%)

Green (89%)

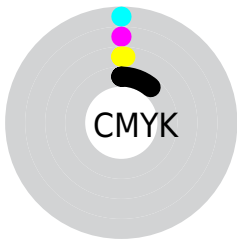
Blue (87%)



Red (87%)

Yellow (89%)

Blue (87%)

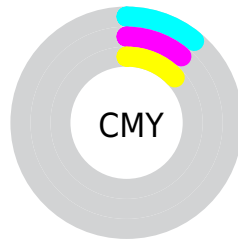


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8892, 0.3147, 0.3322 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 75.8892, 0.3147, 0.3322 by changing the saturation by 10% instead.

■ 75.8892, 0.3147,
0.3322

■ 75.8892, 0.3147,
0.3322

480.9683, 0.3138,
0.3307

■ 56.3417, 0.3149,
0.3325

127.5703, 0.3144,
0.3317

■ 40.4769, 0.3152,
0.3329

160.4726, 0.3143,
0.3315

■ 27.9106, 0.3155,
0.3335

198.5953, 0.3142,
0.3313

■ 18.2583, 0.3159,
0.3341

242.3228, 0.3141,
0.3312

■ 11.1356, 0.3165,
0.3351

292.0394, 0.3140,
0.3310

■ 6.1581, 0.3173,
0.3364

348.1296, 0.3139,

■ 2.9415, 0.3185,

0.3309

0.3385

410.9778, 0.3139,
0.3308

■ 1.1012, 0.3208,
0.3421

■ 0.0000, 0.0000,
0.0000

■ 75.8892, 0.3147,
0.3322

■ 75.8892, 0.3147,
0.3322

■ 74.4867, 0.3297,
0.3564

■ 77.4618, 0.3004,
0.3091

■ 73.2381, 0.3451,
0.3810


■ 78.3210, 0.2947,
0.3002


■ 72.1398, 0.3604,
0.4056

■ 78.5900, 0.2947,
0.3007


■ 71.1845, 0.3752,
0.4290


■ 78.8598, 0.2948,
0.3012


 70.3642, 0.3887,
0.4504


 79.1304, 0.2948,
0.3018


 69.6703, 0.4005,
0.4689


 79.4017, 0.2948,
0.3023

 69.0930, 0.4101,
0.4835

 79.6738, 0.2948,
0.3028

 68.6210, 0.4170,
0.4938

 79.9466, 0.2948,
0.3033

 68.2411, 0.4212,
0.4998

 80.2203, 0.2948,
0.3038

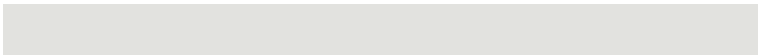
Harmonies

Analogous

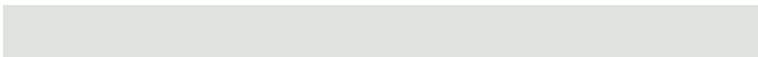
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8892, 0.3159, 0.3318



75.8892, 0.3147, 0.3322



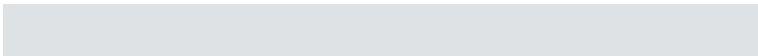
75.8892, 0.3129, 0.3318

Triad

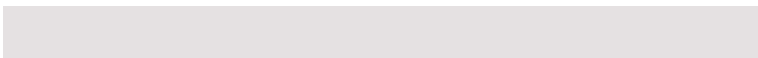
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8892, 0.3147, 0.3322



75.8892, 0.3092, 0.3274



75.8892, 0.3143, 0.3274

Complementary

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



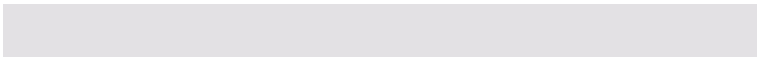
75.8892, 0.3147, 0.3322



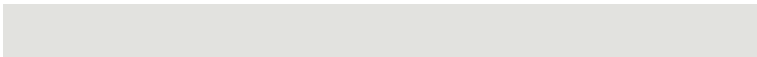
73.9869, 0.3107, 0.3258

Split Complementary

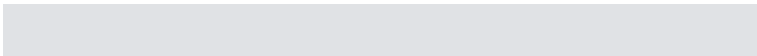
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8892, 0.3125, 0.3263



75.8892, 0.3147, 0.3322



75.8892, 0.3095, 0.3263

Square

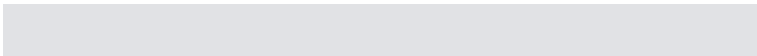
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



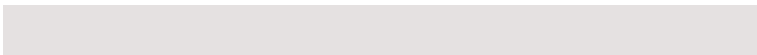
75.8892, 0.3147, 0.3322



75.8892, 0.3097, 0.3290



75.8892, 0.3107, 0.3259



75.8892, 0.3157, 0.3290

Rectangle

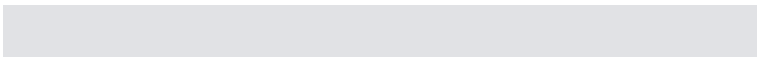
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8892, 0.3147, 0.3322



75.8892, 0.3117, 0.3311



75.8892, 0.3107, 0.3259



75.8892, 0.3137, 0.3270

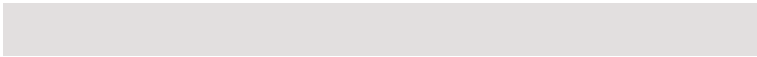
Sweetspot

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



75.8925, 0.3147, 0.3322

100.0000, 0.3127, 0.3290



74.2813, 0.3148, 0.3289



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

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



75.8925, 0.3147, 0.3322



99.6052, 0.3157, 0.3338



75.6983, 0.3137, 0.3323



16.2045, 0.3155, 0.3335



38.7777, 0.4231, 0.5022



2.7043, 0.4225, 0.5027

Inverse Universe

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



73.9869, 0.3107, 0.3258



95.9035, 0.3097, 0.3242



74.1795, 0.3117, 0.3257



15.6394, 0.3099, 0.3245



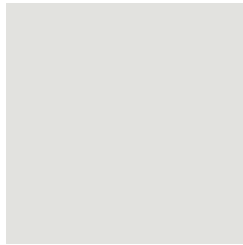
3.2156, 0.1504, 0.0614



0.2400, 0.1516, 0.0656

Previews

White Background



This preview shows how the Yxy color 75.8892, 0.3147, 0.3322 looks on a white background.

Color Contrast Check

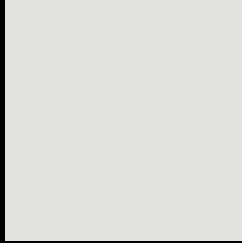
Large Text (above 18pt) WCAG AA × Fail

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 75.8892, 0.3147, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

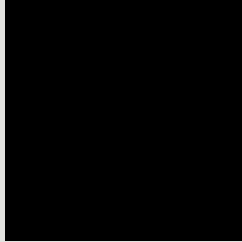
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

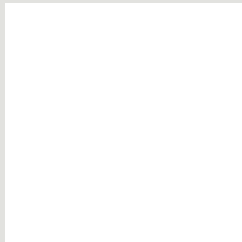
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8892, 0.3147, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 75.8892, 0.3147, 0.3322.

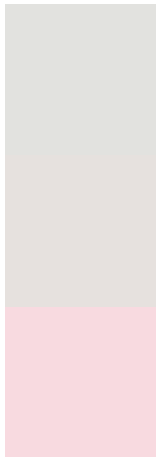


This preview shows how white text looks on a background with the Yxy color 75.8892, 0.3147, 0.3322.

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

75.8892, 0.3147, 0.3322

Protanopia

75.9473, 0.3182, 0.3322

Deuteranopia

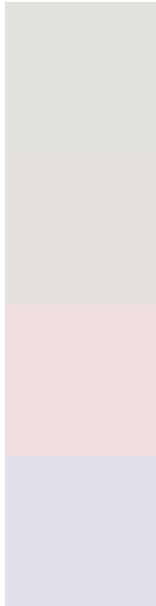
75.4811, 0.3304, 0.3229



Tritanopia

75.7842, 0.3053, 0.3102

Trichromacy



Original Color

75.8892, 0.3147, 0.3322

Protanomaly

75.7824, 0.3175, 0.3322

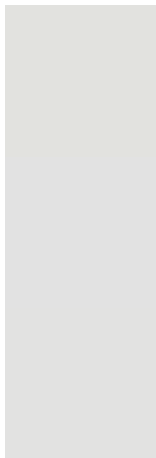
Deuteranomaly

75.6200, 0.3243, 0.3259

Tritanomaly

75.7458, 0.3090, 0.3185

Monochromacy



Original Color

75.8892, 0.3147, 0.3322

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.9977, 0.3134, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8892, 0.3147, 0.3322 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(226, 226, 223)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 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(226, 226, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 223) }
```

Border

The CSS property to change the border of an element to Yxy 75.8892, 0.3147, 0.3322 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(226, 226, 223) }
```

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

```
.border{ border-color:rgb(226, 226, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 223);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
223) }
```

Background

The CSS property to change the background color of an element to Yxy 75.8892, 0.3147, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 223) }
```

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

```
.background{ background-color: rgb(226,  
226, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor