

Converting Colors

$Yxy(77.6068, 0.3174, 0.3342)$

Have a look what the booklet for
Yxy(77.6068, 0.3174, 0.3342)
contains.

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Color

Yxy(77.6375, 0.3173, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	E6E4DF
RGB	230, 228, 223
RGB Percent	90%, 89%, 87%
CMY	0.0981, 0.1058, 0.1255
CMYK	0.00, 0.01, 0.03, 0.10
HSL	43°, 12%, 89%
HSV	43°, 3%, 90%
XYZ	73.6894, 77.6375, 80.9121
YIQ	228.0280, 2.7970, -1.1310

Conversions

Conversions Part 2

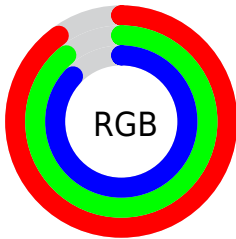
Format	Color
R_{YB}	226, 230, 223
Decimal	15131871
CIE Lab	90.61, -0.21, 2.66
CIE LCh	91, 2.672, 94.577
Yxy	77.6375, 0.3173, 0.3343
Android (android.graphics.Color)	4293321951 (0xFFE6E4DF)
YUV	228.0280, -2.4788, 1.7294
Hunter-Lab	88.1121, -4.9142, 7.2334

Details

The Yxy color **77.6375, 0.3173, 0.3343** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.2293, 0.3081, 0.3236**, and the grayscale version is **77.6211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8283, 0.3187, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **72.9904, 0.3334, 0.3524**, and if you desaturate by 10%, it is **82.5930, 0.3027, 0.3172**.

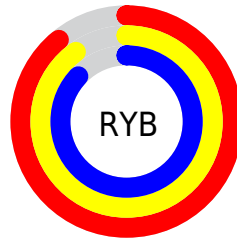
Distribution



Red (90%)

Green (89%)

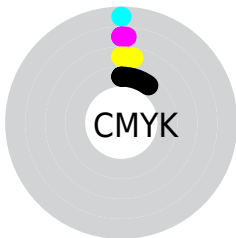
Blue (87%)



Red (89%)

Yellow (90%)

Blue (87%)

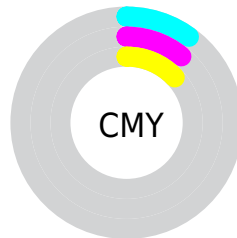


Cyan (0%)

Magenta (1%)

Yellow (3%)

Black (10%)



Cyan (10%)

Magenta (11%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6375, 0.3173, 0.3343 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 77.6375, 0.3173, 0.3343 by changing the saturation by 10% instead.

■ 77.6375, 0.3173,
0.3343

■ 77.6375, 0.3173,
0.3343

486.9349, 0.3152,
0.3319

■ 57.7762, 0.3178,
0.3348

130.0390, 0.3166,
0.3335

■ 41.6288, 0.3184,
0.3355

163.3480, 0.3163,
0.3331

■ 28.8107, 0.3191,
0.3364

201.9084, 0.3161,
0.3329

■ 18.9377, 0.3200,
0.3375

246.1046, 0.3158,
0.3326

■ 11.6253, 0.3213,
0.3390

296.3209, 0.3157,
0.3324

■ 6.4891, 0.3232,
0.3411

352.9418, 0.3155,

■ 3.1447, 0.3260,

0.3322

0.3444

416.3517, 0.3153,
0.3320

1.2077, 0.3310,
0.3502

0.0680, 0.4664,
0.5336

77.6375, 0.3173,
0.3343

77.6375, 0.3173,
0.3343

72.9904, 0.3334,
0.3524

82.5930, 0.3027,
0.3172

68.6334, 0.3508,
0.3711

86.9201, 0.2974,
0.3148

64.5612, 0.3695,
0.3900

90.8169, 0.2975,
0.3214

60.7646, 0.3890,
0.4084

94.8510, 0.2975,
0.3279

■ 57.2337, 0.4087,
0.4253

■ 95.5590, 0.2975,
0.3290

■ 53.9576, 0.4279,
0.4397

■ 50.9245, 0.4457,
0.4505

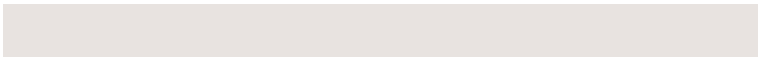
■ 48.1207, 0.4611,
0.4568

■ 45.5301, 0.4735,
0.4581

Harmonies

Analogous

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



77.6375, 0.3188, 0.3329



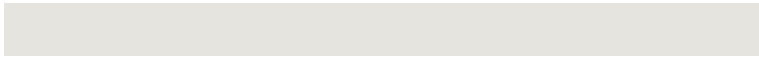
77.6375, 0.3173, 0.3343



77.6375, 0.3146, 0.3343

Triad

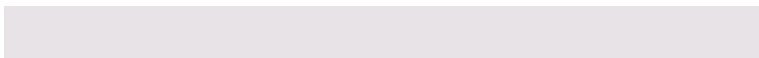
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6375, 0.3173, 0.3343



77.6375, 0.3069, 0.3276



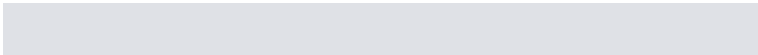
77.6375, 0.3140, 0.3252

Complementary

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



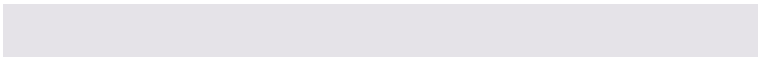
77.6375, 0.3173, 0.3343



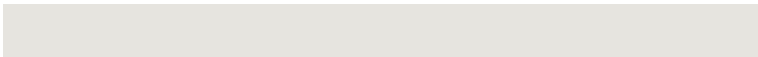
75.2293, 0.3081, 0.3236

Split Complementary

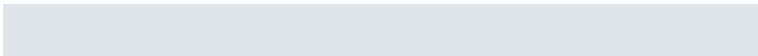
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6375, 0.3108, 0.3238



77.6375, 0.3173, 0.3343



77.6375, 0.3067, 0.3251

Square

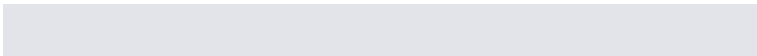
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6375, 0.3173, 0.3343



77.6375, 0.3086, 0.3304



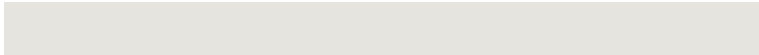
77.6375, 0.3082, 0.3238



77.6375, 0.3169, 0.3276

Rectangle

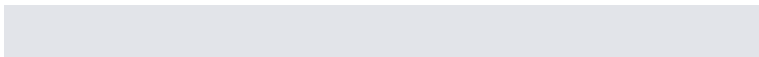
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6375, 0.3173, 0.3343



77.6375, 0.3125, 0.3335



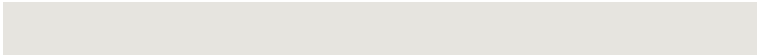
77.6375, 0.3082, 0.3238



77.6375, 0.3129, 0.3246

Sweetspot

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



77.6409, 0.3173, 0.3343



99.3801, 0.3142, 0.3307



75.0289, 0.3163, 0.3269



21.2780, 0.3141, 0.3307



0.0000, 0.0000, 0.0000



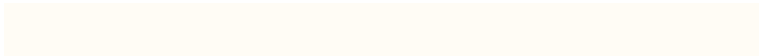
21.4041, 0.3127, 0.3290

Same Dimension

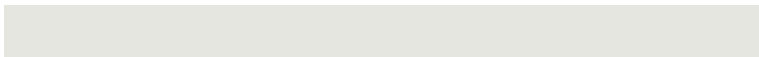
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6409, 0.3173, 0.3343



97.5435, 0.3188, 0.3361



78.4778, 0.3161, 0.3364



16.5730, 0.3199, 0.3373



25.0394, 0.4794, 0.4576



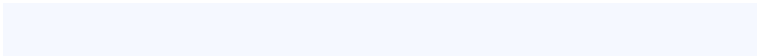
2.0056, 0.4686, 0.4661

Inverse Universe

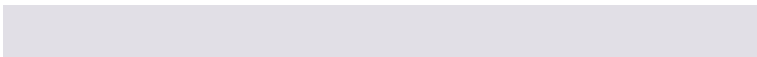
The Inverse Universe completely reimagines the original color for something new.



75.2293, 0.3081, 0.3236



93.5279, 0.3066, 0.3219



74.4158, 0.3092, 0.3216



15.7715, 0.3055, 0.3206



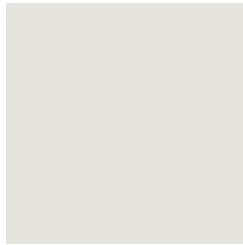
5.5333, 0.1600, 0.0958



0.5624, 0.1679, 0.1244

Previews

White Background



This preview shows how the Yxy color 77.6375, 0.3173, 0.3343 looks on a white background.

Color Contrast Check

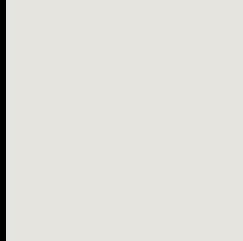
Large Text (above 18pt) WCAG AA × Fail

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 77.6375, 0.3173, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

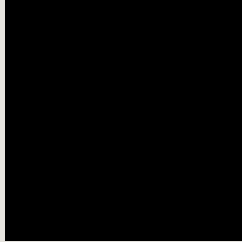
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

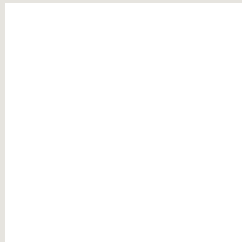
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6375, 0.3173, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 77.6375, 0.3173, 0.3343.

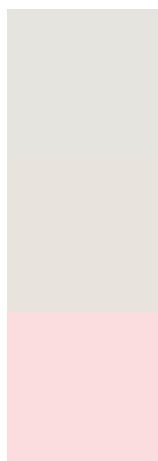


This preview shows how white text looks on a background with the Yxy color 77.6375, 0.3173, 0.3343.

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

77.6375, 0.3173, 0.3343

Protanopia

77.5357, 0.3201, 0.3343

Deuteranopia

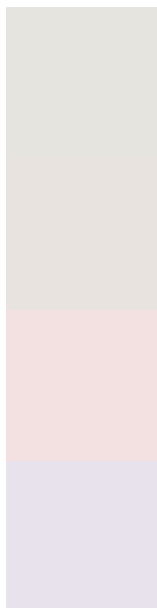
77.6040, 0.3323, 0.3260



Tritanopia

77.6451, 0.3067, 0.3105

Trichromacy



Original Color

77.6375, 0.3173, 0.3343

Protanomaly

77.3679, 0.3194, 0.3343

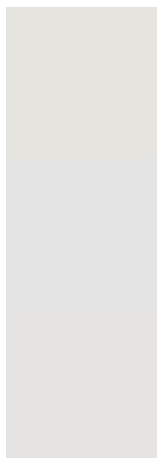
Deuteranomaly

77.7478, 0.3262, 0.3290

Tritanomaly

77.6046, 0.3104, 0.3186

Monochromacy



Original Color

77.6375, 0.3173, 0.3343

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6358, 0.3147, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6375, 0.3173, 0.3343 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(230, 228, 223)` looks like.

```
.text, #text, p{  
    color:rgb(230, 228, 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(230, 228, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 228, 223) }
```

Border

The CSS property to change the border of an element to Yxy 77.6375, 0.3173, 0.3343 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(230, 228, 223) }
```

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

```
.border{ border-color:rgb(230, 228, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 228, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 228, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 228, 223); box-shadow:4px 4px 4px 4px rgb(230, 228, 223) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.6375, 0.3173, 0.3343$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 228, 223) }
```

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

```
.background{ background-color: rgb(230,  
228, 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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