

Converting Colors

$Y_{xy}(76.3227, 0.3172, 0.3412)$

Have a look what the booklet for
Yxy(76.3227, 0.3172, 0.3412)
contains.

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Color

Yxy(76.3439, 0.3170, 0.3408)

Conversions

Conversions Part 1

Format	Color
Hex	E0E4D9
RGB	224, 228, 217
RGB Percent	88%, 89%, 85%
CMY	0.1215, 0.1059, 0.1489
CMYK	0.02, 0.00, 0.05, 0.11
HSL	82°, 17%, 87%
HSV	82°, 5%, 89%
XYZ	71.0124, 76.3439, 76.6575
YIQ	225.5500, 1.1470, -4.2690

Conversions

Conversions Part 2

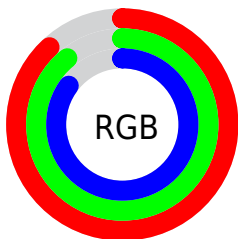
Format	Color
R _Y B	217, 228, 221
Decimal	14738649
CIE Lab	90.02, -3.28, 4.87
CIE LCh	90, 5.870, 123.945
Yxy	76.3439, 0.3170, 0.3408
Android (android.graphics.Color)	4292928729 (0xFFE0E4D9)
YUV	225.5500, -4.2151, -1.3593
Hunter-Lab	87.3750, -7.8338, 9.1450

Details

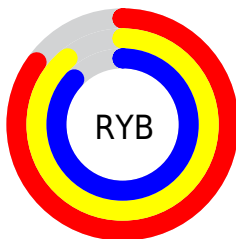
The Yxy color **76.3439, 0.3170, 0.3408** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.6182, 0.3083, 0.3171**, and the grayscale version is **75.7456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9308, 0.3183, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **73.9470, 0.3260, 0.3667**, and if you desaturate by 10%, it is **78.9760, 0.3082, 0.3168**.

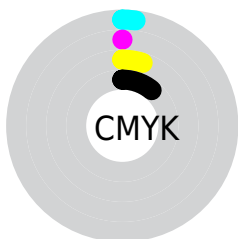
Distribution



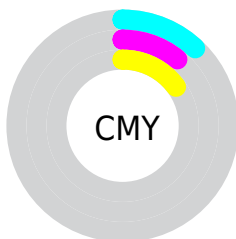
- Red (88%)
- Green (89%)
- Blue (85%)



- Red (85%)
- Yellow (89%)
- Blue (87%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3439, 0.3170, 0.3408 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 76.3439, 0.3170, 0.3408 by changing the saturation by 10% instead.

■ 76.3439, 0.3170,
0.3408

■ 76.3439, 0.3170,
0.3408

482.5241, 0.3151,
0.3354

■ 56.7145, 0.3174,
0.3420

128.2129, 0.3163,
0.3389

■ 40.7761, 0.3180,
0.3436

161.2214, 0.3161,
0.3382

■ 28.1442, 0.3187,
0.3455

199.4583, 0.3158,
0.3375

■ 18.4344, 0.3195,
0.3481

243.3081, 0.3156,
0.3370

■ 11.2623, 0.3207,
0.3515

293.1552, 0.3155,
0.3365

■ 6.2435, 0.3224,
0.3566

349.3840, 0.3153,

■ 2.9937, 0.3249,

0.3361

412.3788, 0.3152,
0.3357

0.3645

■ 1.1285, 0.3296,
0.3791

■ 0.0021, 0.0000,
1.0000

■ 76.3439, 0.3170,
0.3408

■ 76.3439, 0.3170,
0.3408

■ 73.9470, 0.3260,
0.3667

■ 78.9760, 0.3082,
0.3168

■ 71.7680, 0.3348,
0.3940

■ 81.3396, 0.3043,
0.3021

■ 69.8019, 0.3432,
0.4223

■ 82.8307, 0.3098,
0.3025

■ 68.0403, 0.3506,
0.4506

■ 83.9676, 0.3139,
0.3029

■ 66.4736, 0.3565,
0.4778

■ 65.0918, 0.3605,
0.5025

■ 63.8834, 0.3622,
0.5236

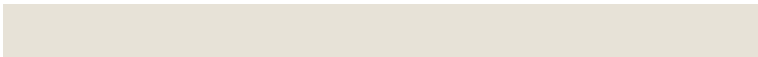
■ 62.8351, 0.3615,
0.5400

■ 61.9312, 0.3583,
0.5512

Harmonies

Analogous

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



76.3439, 0.3229, 0.3407



76.3439, 0.3170, 0.3408



76.3439, 0.3100, 0.3377

Triad

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



76.3439, 0.3170, 0.3408



76.3439, 0.2995, 0.3205



76.3439, 0.3217, 0.3258

Complementary

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



76.3439, 0.3170, 0.3408



70.6182, 0.3083, 0.3171

Split Complementary

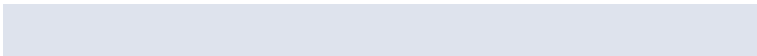
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3439, 0.3154, 0.3206



76.3439, 0.3170, 0.3408



76.3439, 0.3026, 0.3175

Square

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



76.3439, 0.3170, 0.3408



76.3439, 0.2999, 0.3259



76.3439, 0.3083, 0.3175



76.3439, 0.3257, 0.3320

Rectangle

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



76.3439, 0.3170, 0.3408



76.3439, 0.3056, 0.3342



76.3439, 0.3083, 0.3175



76.3439, 0.3198, 0.3239

Sweetspot

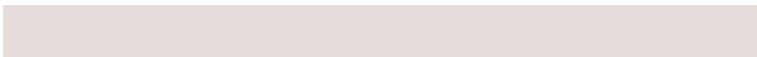
The Sweet Spot groups the original color and five complimentary colors.



76.3472, 0.3170, 0.3408



99.6612, 0.3136, 0.3314



73.1495, 0.3204, 0.3331



21.3352, 0.3136, 0.3313



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.



76.3472, 0.3170, 0.3408



98.0122, 0.3181, 0.3439



75.5086, 0.3133, 0.3409



16.6934, 0.3186, 0.3454



35.5849, 0.3570, 0.5548



2.6817, 0.3661, 0.5475

Inverse Universe

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



70.6182, 0.3083, 0.3171



88.8248, 0.3071, 0.3140



71.4686, 0.3121, 0.3173



14.9807, 0.3065, 0.3125



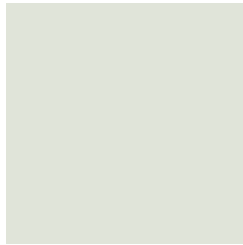
4.3579, 0.1791, 0.0760



0.3732, 0.1954, 0.0850

Previews

White Background



This preview shows how the Yxy color 76.3439, 0.3170, 0.3408 looks on a white background.

Color Contrast Check

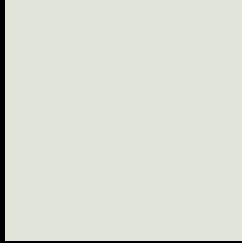
Large Text (above 18pt) WCAG AA × Fail

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 76.3439, 0.3170, 0.3408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

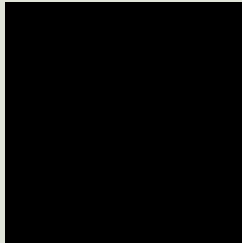
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

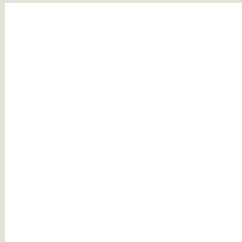
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.3439, 0.3170, 0.3408

Background



This preview shows how black text looks on a background with the Yxy color 76.3439, 0.3170, 0.3408.

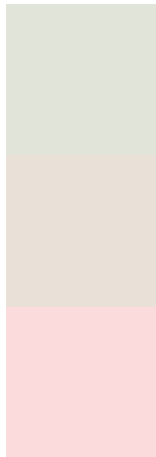


This preview shows how white text looks on a background with the Yxy color 76.3439, 0.3170, 0.3408.

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

76.3439, 0.3170, 0.3408

Protanopia

76.1319, 0.3243, 0.3386

Deuteranopia

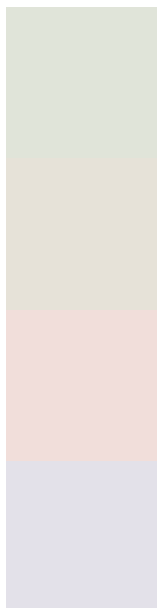
76.2867, 0.3360, 0.3291



Tritanopia

76.2161, 0.3040, 0.3102

Trichromacy



Original Color

76.3439, 0.3170, 0.3408

Protanomaly

76.1736, 0.3221, 0.3397

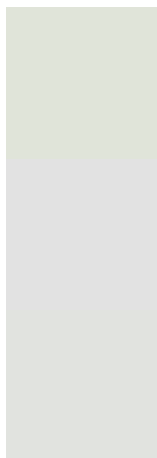
Deuteranomaly

76.0053, 0.3290, 0.3332

Tritanomaly

76.0645, 0.3090, 0.3206

Monochromacy



Original Color

76.3439, 0.3170, 0.3408

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.2734, 0.3139, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3439, 0.3170, 0.3408 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(224, 228, 217) looks like.

```
.text, #text, p{  
    color:rgb(224, 228, 217)  
}
```

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(224, 228, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 228, 217) }
```

Border

The CSS property to change the border of an element to Yxy 76.3439, 0.3170, 0.3408 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(224, 228, 217) }
```

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

```
.border{ border-color:rgb(224, 228, 217) }
```

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

Here you see how a box with a 4 pixel rgb(224, 228, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 228, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 228, 217);  
box-shadow:4px 4px 4px 4px rgb(224, 228,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3439, 0.3170, 0.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 228, 217) }
```

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

```
.background{ background-color: rgb(224,  
228, 217) }
```

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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