

Converting Colors

$Y_{xy}(77.8976, 0.3231, 0.3321)$

Have a look what the booklet for
Yxy(77.8976, 0.3231, 0.3321)
contains.

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Color

Yxy(77.8976, 0.3231, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	EEE2DF
RGB	238, 226, 223
RGB Percent	93%, 89%, 87%
CMY	0.0665, 0.1138, 0.1254
CMYK	0.00, 0.05, 0.06, 0.07
HSL	12°, 31%, 90%
HSV	12°, 6%, 93%
XYZ	75.7866, 77.8976, 80.8765
YIQ	229.2460, 8.1150, 1.6110

Conversions

Conversions Part 2

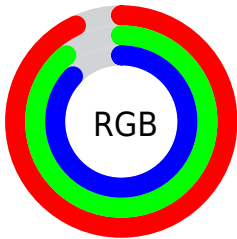
Format	Color
R_{YB}	238, 227, 223
Decimal	15655647
CIE Lab	90.73, 3.59, 2.90
CIE LCh	91, 4.613, 38.880
Yxy	77.8976, 0.3231, 0.3321
Android (android.graphics.Color)	4293845727 (0xFFEEE2DF)
YUV	229.2460, -3.0793, 7.6773
Hunter-Lab	88.2596, -1.1804, 7.4515

Details

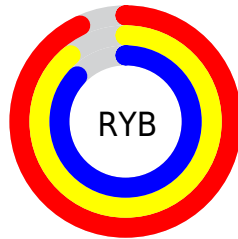
The Yxy color **77.8976, 0.3231, 0.3321** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.3265, 0.3030, 0.3259**, and the grayscale version is **78.5698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8981, 0.3253, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **66.8872, 0.3424, 0.3373**, and if you desaturate by 10%, it is **90.2533, 0.3072, 0.3273**.

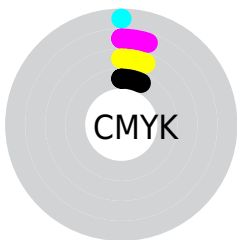
Distribution



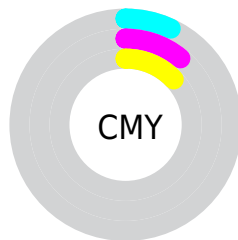
- Red (93%)
- Green (89%)
- Blue (87%)



- Red (93%)
- Yellow (89%)
- Blue (87%)



- Cyan (0%)
- Magenta (5%)
- Yellow (6%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8976, 0.3231, 0.3321 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 77.8976, 0.3231, 0.3321 by changing the saturation by 10% instead.

77.8976, 0.3231,
0.3321

77.8976, 0.3231,
0.3321

487.8190, 0.3183,
0.3307

57.9899, 0.3242,
0.3324

130.4058, 0.3215,
0.3316

41.8005, 0.3255,
0.3328

163.7750, 0.3208,
0.3314

28.9451, 0.3272,
0.3333

202.4001, 0.3203,
0.3313

19.0393, 0.3294,
0.3339

246.6656, 0.3198,
0.3311

11.6987, 0.3323,
0.3347

296.9559, 0.3194,
0.3310

6.5388, 0.3366,
0.3358

353.6553, 0.3190,

3.1754, 0.3431,

0.3309

0.3375

417.1482, 0.3186,
0.3308

■ 1.2240, 0.3547,
0.3403

■ 0.0812, 0.6700,
0.3300

■ 77.8976, 0.3231,
0.3321

■ 77.8976, 0.3231,
0.3321

■ 66.8872, 0.3424,
0.3373

■ 90.2533, 0.3072,
0.3273

■ 57.1665, 0.3657,
0.3428

■ 96.9225, 0.3024,
0.3290

■ 48.6911, 0.3938,
0.3484

■ 41.4103, 0.4268,
0.3536

■ 35.2696, 0.4647,
0.3578

■ 30.2104, 0.5060,
0.3601

■ 26.1686, 0.5476,
0.3597

■ 23.0731, 0.5847,
0.3557

■ 20.8428, 0.6124,
0.3484

Harmonies

Analogous

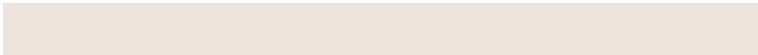
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8976, 0.3204, 0.3273



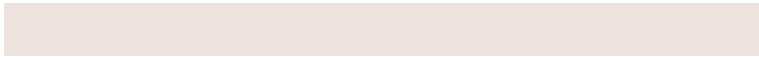
77.8976, 0.3231, 0.3321



77.8976, 0.3230, 0.3361

Triad

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



77.8976, 0.3231, 0.3321



77.8976, 0.3097, 0.3352



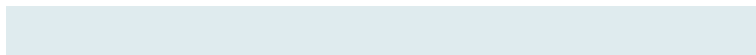
77.8976, 0.3054, 0.3198

Complementary

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



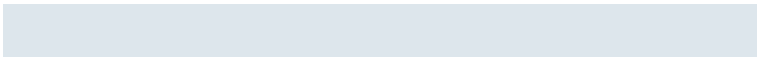
77.8976, 0.3231, 0.3321



81.3265, 0.3030, 0.3259

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.



77.8976, 0.3026, 0.3218



77.8976, 0.3231, 0.3321



77.8976, 0.3051, 0.3307

Square

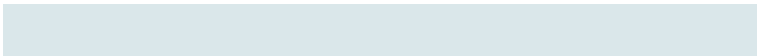
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8976, 0.3231, 0.3321



77.8976, 0.3152, 0.3380



77.8976, 0.3025, 0.3258



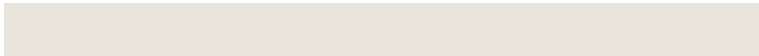
77.8976, 0.3102, 0.3203

Rectangle

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



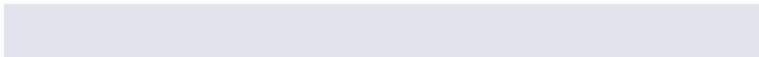
77.8976, 0.3231, 0.3321



77.8976, 0.3213, 0.3378



77.8976, 0.3025, 0.3258



77.8976, 0.3042, 0.3202

Sweetspot

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



77.9010, 0.3231, 0.3321



97.0916, 0.3159, 0.3300



76.9907, 0.3152, 0.3164



20.8121, 0.3157, 0.3299



0.0000, 0.0000, 0.0000



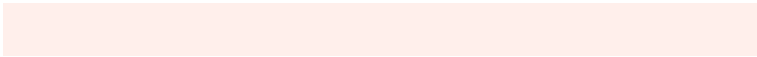
21.4041, 0.3127, 0.3290

Same Dimension

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



77.9010, 0.3231, 0.3321



88.7485, 0.3262, 0.3330



81.9499, 0.3225, 0.3396



16.2636, 0.3288, 0.3337



11.4162, 0.6181, 0.3474



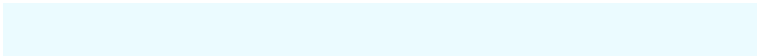
1.0845, 0.5939, 0.3666

Inverse Universe

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



81.3265, 0.3030, 0.3259



93.7932, 0.3003, 0.3250



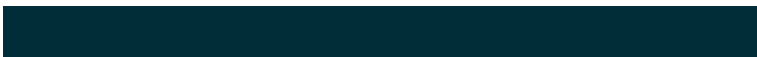
77.2360, 0.3030, 0.3182



17.3681, 0.2981, 0.3242



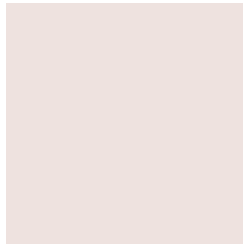
24.4293, 0.2068, 0.2645



2.1657, 0.2094, 0.2739

Previews

White Background



This preview shows how the Yxy color 77.8976, 0.3231, 0.3321 looks on a white background.

Color Contrast Check

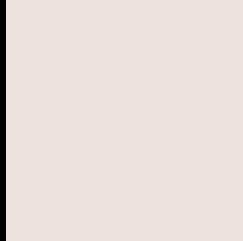
Large Text (above 18pt) WCAG AA × Fail

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 77.8976, 0.3231, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

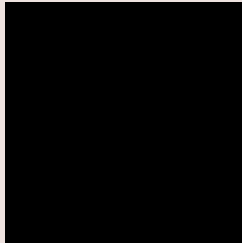
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

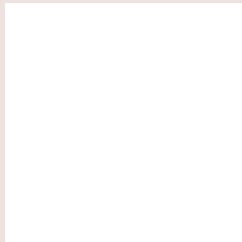
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8976, 0.3231, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 77.8976, 0.3231, 0.3321.

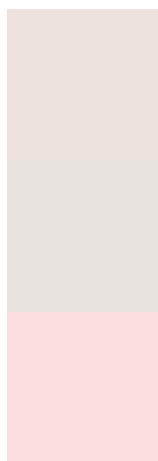


This preview shows how white text looks on a background with the Yxy color 77.8976, 0.3231, 0.3321.

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

77.8976, 0.3231, 0.3321

Protanopia

77.6436, 0.3188, 0.3322

Deuteranopia

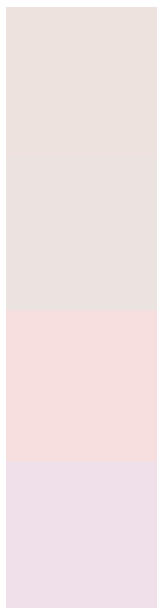
77.7902, 0.3330, 0.3260



Tritanopia

77.8270, 0.3136, 0.3107

Trichromacy



Original Color

77.8976, 0.3231, 0.3321

Protanomaly

77.9822, 0.3202, 0.3322

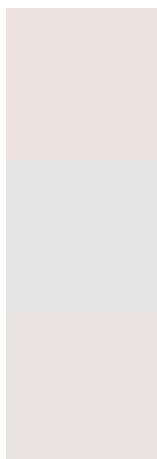
Deuteranomaly

77.9313, 0.3292, 0.3280

Tritanomaly

77.7771, 0.3174, 0.3188

Monochromacy



Original Color

77.8976, 0.3231, 0.3321

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1887, 0.3161, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8976, 0.3231, 0.3321 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(238, 226, 223)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 226, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 226, 223) }
```

Border

The CSS property to change the border of an element to Yxy 77.8976, 0.3231, 0.3321 is called "border". The border property can be set on classes, ids or directly on the HTML element.

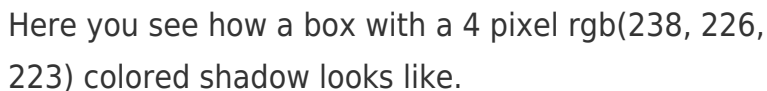
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 226, 223) }
```

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

```
.border{ border-color:rgb(238, 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(238, 226, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 226, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 226, 223); box-shadow:4px 4px 4px 4px rgb(238, 226, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8976, 0.3231, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 226, 223) }
```

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

```
.background{ background-color: rgb(238,  
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](#).

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