

Converting Colors

$Y_{xy}(77.2822, 0.3222, 0.3389)$

Have a look what the booklet for
Yxy(77.2822, 0.3222, 0.3389)
contains.

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Color

Yxy(77.1559, 0.3221, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	E8E3DA
RGB	232, 227, 218
RGB Percent	91%, 89%, 85%
CMY	0.0900, 0.1099, 0.1450
CMYK	0.00, 0.02, 0.06, 0.09
HSL	38°, 23%, 88%
HSV	38°, 6%, 91%
XYZ	73.4178, 77.1559, 77.3610
YIQ	227.4690, 5.8690, -1.7390

Conversions

Conversions Part 2

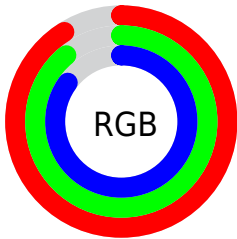
Format	Color
R _Y B	226, 232, 218
Decimal	15262682
CIE Lab	90.39, 0.17, 4.97
CIE LCh	90, 4.976, 87.998
Yxy	77.1559, 0.3221, 0.3385
Android (android.graphics.Color)	4293452762 (0xFFE8E3DA)
YUV	227.4690, -4.6682, 3.9737
Hunter-Lab	87.8384, -4.5221, 9.2690

Details

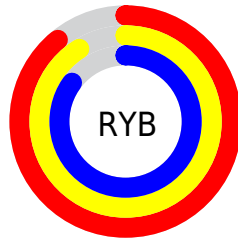
The Yxy color $77.1559, 0.3221, 0.3385$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $73.5582, 0.3034, 0.3193$, and the grayscale version is $77.2145, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.3795, 0.3240, 0.3414$ is the 20% darker color. If you saturate the color by 10%, you get $71.5552, 0.3390, 0.3549$, and if you desaturate by 10%, it is $83.1565, 0.3069, 0.3230$.

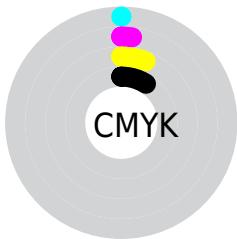
Distribution



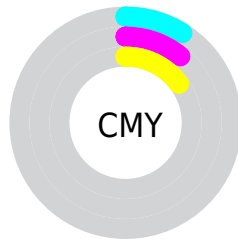
- Red (91%)
- Green (89%)
- Blue (85%)



- Red (89%)
- Yellow (91%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (9%)





- Cyan (9%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1559, 0.3221, 0.3385 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 77.1559, 0.3221, 0.3385 by changing the saturation by 10% instead.


 77.1559, 0.3221,
0.3385

 77.1559, 0.3221,
0.3385


485.2954, 0.3178,
0.3342

 57.3808, 0.3231,
0.3395

129.3595, 0.3206,
0.3370

 41.3111, 0.3243,
0.3407


162.5569, 0.3200,
0.3364

 28.5622, 0.3258,
0.3422


200.9971, 0.3195,
0.3359

 18.7499, 0.3278,
0.3442

245.0646, 0.3191,
0.3355

 11.4897, 0.3304,
0.3469

295.1438, 0.3187,
0.3351

 6.3972, 0.3342,
0.3507

351.6191, 0.3184,

 3.0881, 0.3401,

0.3347

0.3567

414.8748, 0.3181,
0.3344

■ 1.1779, 0.3506,
0.3672

■ 0.0435, 0.5117,
0.4883

■ 77.1559, 0.3221,
0.3385

■ 77.1559, 0.3221,
0.3385

■ 71.5552, 0.3390,
0.3549

■ 83.1565, 0.3069,
0.3230

■ 66.3342, 0.3576,
0.3718

■ 88.9347, 0.2987,
0.3177

■ 61.4856, 0.3779,
0.3888

■ 94.0860, 0.2988,
0.3261

■ 56.9979, 0.3994,
0.4051

■ 95.9056, 0.2988,
0.3290

■ 52.8590, 0.4215,
0.4199

■ 49.0556, 0.4434,
0.4319

■ 45.5732, 0.4640,
0.4399

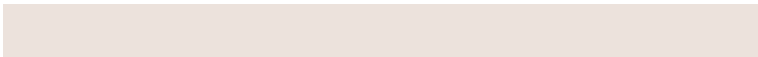
■ 42.3952, 0.4822,
0.4432

■ 39.5020, 0.4970,
0.4411

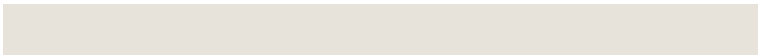
Harmonies

Analogous

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



77.1559, 0.3242, 0.3353



77.1559, 0.3221, 0.3385



77.1559, 0.3175, 0.3392

Triad

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



77.1559, 0.3221, 0.3385



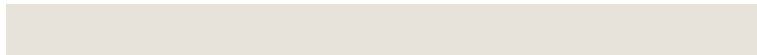
77.1559, 0.3023, 0.3274



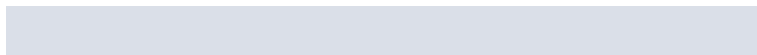
77.1559, 0.3138, 0.3212

Complementary

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



77.1559, 0.3221, 0.3385



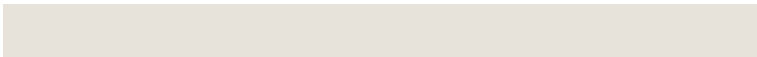
73.5582, 0.3034, 0.3193

Split Complementary

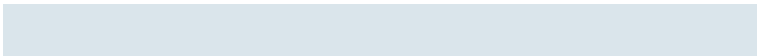
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1559, 0.3079, 0.3191



77.1559, 0.3221, 0.3385



77.1559, 0.3014, 0.3226

Square

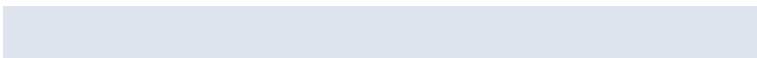
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1559, 0.3221, 0.3385



77.1559, 0.3061, 0.3327



77.1559, 0.3034, 0.3196



77.1559, 0.3194, 0.3253

Rectangle

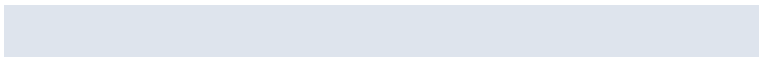
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1559, 0.3221, 0.3385



77.1559, 0.3136, 0.3380



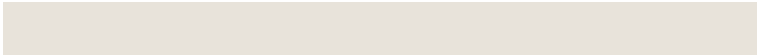
77.1559, 0.3034, 0.3196



77.1559, 0.3118, 0.3202

Sweetspot

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



77.1593, 0.3221, 0.3385



98.5064, 0.3158, 0.3321



72.6521, 0.3194, 0.3236



21.1002, 0.3156, 0.3320



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.



77.1593, 0.3221, 0.3385



94.8592, 0.3237, 0.3401



79.6627, 0.3204, 0.3438



16.8983, 0.3246, 0.3410



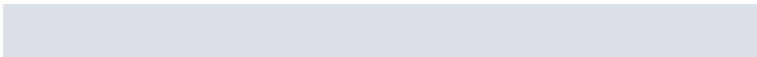
22.2447, 0.5007, 0.4407



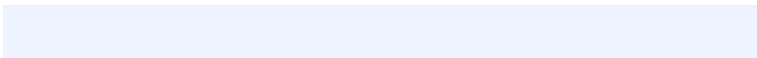
1.9281, 0.4865, 0.4519

Inverse Universe

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



73.5582, 0.3034, 0.3193



89.7088, 0.3019, 0.3177



71.1774, 0.3048, 0.3138



15.9098, 0.3010, 0.3168



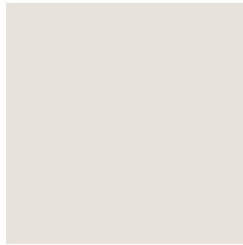
7.1626, 0.1654, 0.1155



0.7394, 0.1731, 0.1432

Previews

White Background



This preview shows how the Yxy color 77.1559, 0.3221, 0.3385 looks on a white background.

Color Contrast Check

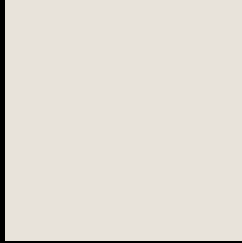
Large Text (above 18pt) WCAG AA × Fail

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 77.1559, 0.3221, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

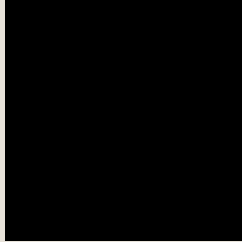
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

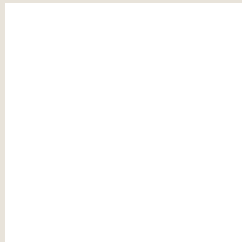
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1559, 0.3221, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 77.1559, 0.3221, 0.3385.

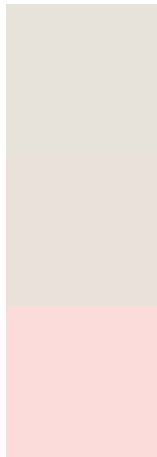


This preview shows how white text looks on a background with the Yxy color 77.1559, 0.3221, 0.3385.

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

77.1559, 0.3221, 0.3385

Protanopia

76.9471, 0.3236, 0.3375

Deuteranopia

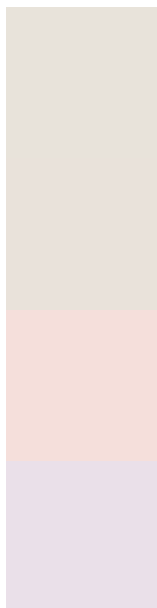
76.9963, 0.3366, 0.3301



Tritanopia

76.7884, 0.3094, 0.3105

Trichromacy



Original Color

77.1559, 0.3221, 0.3385

Protanomaly

76.7783, 0.3229, 0.3375

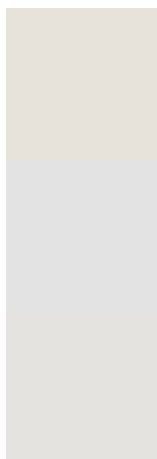
Deuteranomaly

77.3023, 0.3311, 0.3332

Tritanomaly

76.6869, 0.3139, 0.3197

Monochromacy



Original Color

77.1559, 0.3221, 0.3385

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.9780, 0.3160, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1559, 0.3221, 0.3385 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(232, 227, 218)` looks like.

```
.text, #text, p{  
    color:rgb(232, 227, 218)  
}
```

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(232, 227, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 227, 218) }
```

Border

The CSS property to change the border of an element to Yxy 77.1559, 0.3221, 0.3385 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(232, 227, 218) }
```

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

```
.border{ border-color:rgb(232, 227, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 227, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 227, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 227, 218);  
box-shadow:4px 4px 4px 4px rgb(232, 227,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1559, 0.3221, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 227, 218) }
```

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

```
.background{ background-color: rgb(232,  
227, 218) }
```

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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