

Converting Colors

$Yxy(77.9116, 0.3195, 0.3378)$

Have a look what the booklet for
Yxy(77.9116, 0.3195, 0.3378)
contains.

Yxy(78.1949, 0.3199, 0.3385)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.1949, 0.3199, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	E7E5DC
RGB	231, 229, 220
RGB Percent	91%, 90%, 86%
CMY	0.0940, 0.1020, 0.1372
CMYK	0.00, 0.01, 0.05, 0.09
HSL	49°, 19%, 88%
HSV	49°, 5%, 91%
XYZ	73.8982, 78.1949, 78.9110
YIQ	228.5720, 4.0810, -2.3750

Conversions

Conversions Part 2

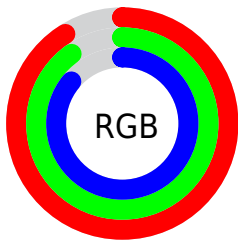
Format	Color
RYB	222, 231, 220
Decimal	15197660
CIELab	90.87, -0.88, 4.61
CIElCh	91, 4.691, 100.775
Yxy	78.1949, 0.3199, 0.3385
Android (android.graphics.Color)	4293387740 (0xFFE7E5DC)
YUV	228.5720, -4.2260, 2.1294
Hunter-Lab	88.4279, -5.5783, 8.9905

Details

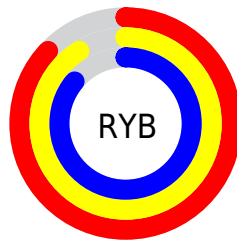
The Yxy color **78.1949, 0.3199, 0.3385** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.2457, 0.3055, 0.3193**, and the grayscale version is **78.0576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1027, 0.3211, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **74.7371, 0.3358, 0.3591**, and if you desaturate by 10%, it is **81.8861, 0.3052, 0.3189**.

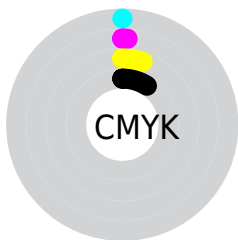
Distribution



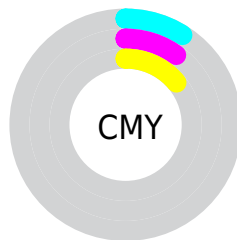
- Red (91%)
- Green (90%)
- Blue (86%)



- Red (87%)
- Yellow (91%)
- Blue (86%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1949, 0.3199, 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 78.1949, 0.3199, 0.3385 by changing the saturation by 10% instead.

■ 78.1949, 0.3199,
0.3385

■ 78.1949, 0.3199,
0.3385

488.8285, 0.3166,
0.3342

■ 58.2341, 0.3206,
0.3395

130.8248, 0.3188,
0.3370

■ 41.9969, 0.3215,
0.3407

164.2628, 0.3183,
0.3364

■ 29.0988, 0.3227,
0.3422

202.9618, 0.3179,
0.3359

■ 19.1556, 0.3242,
0.3442

247.3065, 0.3176,
0.3355

■ 11.7828, 0.3262,
0.3469

297.6811, 0.3173,
0.3351

■ 6.5959, 0.3290,
0.3507

354.4700, 0.3171,

■ 3.2107, 0.3334,

0.3347

0.3567

418.0577, 0.3168,
0.3344

■ 1.2427, 0.3410,
0.3671

■ 0.0962, 0.4213,
0.5787

■ 78.1949, 0.3199,
0.3385

■ 78.1949, 0.3199,
0.3385

■ 74.7371, 0.3358,
0.3591

■ 81.8861, 0.3052,
0.3189

■ 71.4952, 0.3526,
0.3802

■ 85.0642, 0.2980,
0.3113

■ 68.4648, 0.3700,
0.4012

■ 87.5581, 0.2981,
0.3156

■ 65.6376, 0.3876,
0.4213

■ 90.1107, 0.2981,
0.3199

■ 63.0045, 0.4046,
0.4396

■ 92.7222, 0.2981,
0.3242

■ 60.5556, 0.4203,
0.4550

■ 95.3932, 0.2982,
0.3284

■ 58.2797, 0.4340,
0.4665

■ 95.7328, 0.2982,
0.3290

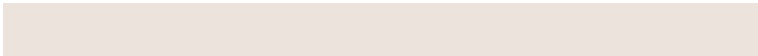
■ 56.1638, 0.4451,
0.4735

■ 54.1923, 0.4532,
0.4758

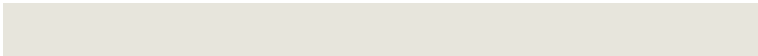
Harmonies

Analogous

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



78.1949, 0.3230, 0.3364



78.1949, 0.3199, 0.3385



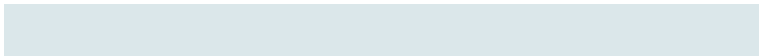
78.1949, 0.3149, 0.3380

Triad

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



78.1949, 0.3199, 0.3385



78.1949, 0.3022, 0.3254



78.1949, 0.3161, 0.3231

Complementary

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



78.1949, 0.3199, 0.3385



73.2457, 0.3055, 0.3193

Split Complementary

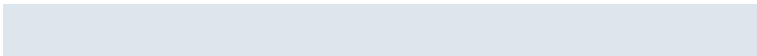
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1949, 0.3105, 0.3202



78.1949, 0.3199, 0.3385



78.1949, 0.3025, 0.3215

Square

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



78.1949, 0.3199, 0.3385



78.1949, 0.3047, 0.3304



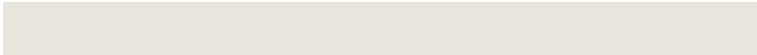
78.1949, 0.3055, 0.3196



78.1949, 0.3208, 0.3276

Rectangle

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



78.1949, 0.3199, 0.3385



78.1949, 0.3111, 0.3362



78.1949, 0.3055, 0.3196



78.1949, 0.3142, 0.3220

Sweetspot

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



78.1983, 0.3199, 0.3385



99.5383, 0.3142, 0.3310



73.4671, 0.3191, 0.3267



21.3102, 0.3141, 0.3309



0.0000, 0.0000, 0.0000



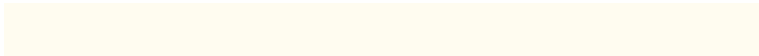
21.4041, 0.3127, 0.3290

Same Dimension

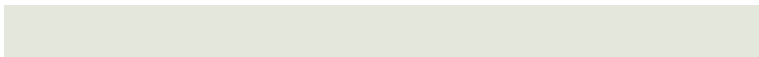
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1983, 0.3199, 0.3385



97.2729, 0.3218, 0.3411



78.7802, 0.3175, 0.3407



16.5550, 0.3228, 0.3422



29.9906, 0.4559, 0.4762



2.3336, 0.4496, 0.4812

Inverse Universe

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



73.2457, 0.3055, 0.3193



89.5018, 0.3035, 0.3167



72.6974, 0.3078, 0.3172



15.1063, 0.3026, 0.3154



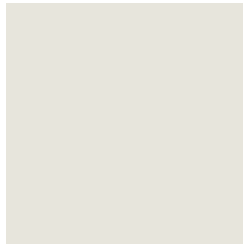
4.3109, 0.1548, 0.0774



0.4424, 0.1618, 0.1024

Previews

White Background



This preview shows how the Yxy color 78.1949, 0.3199, 0.3385 looks on a white background.

Color Contrast Check

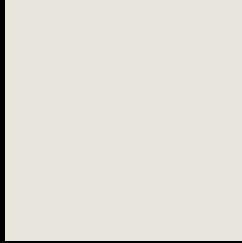
Large Text (above 18pt) WCAG AA × Fail

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 78.1949, 0.3199, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

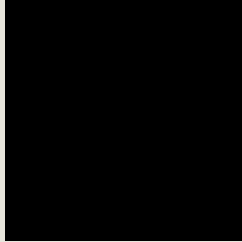
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

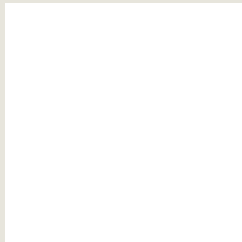
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1949, 0.3199, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 78.1949, 0.3199, 0.3385.

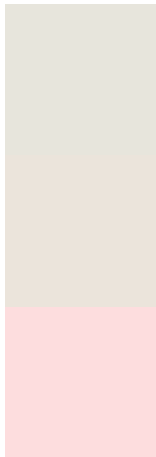


This preview shows how white text looks on a background with the Yxy color 78.1949, 0.3199, 0.3385.

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

78.1949, 0.3199, 0.3385

Protanopia

78.2634, 0.3234, 0.3385

Deuteranopia

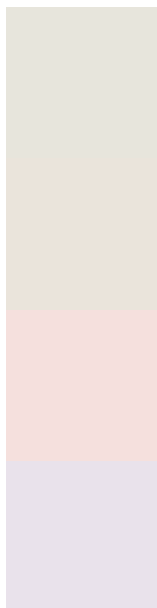
77.8695, 0.3351, 0.3281



Tritanopia

77.8139, 0.3074, 0.3105

Trichromacy



Original Color

78.1949, 0.3199, 0.3385

Protanomaly

78.0937, 0.3227, 0.3385

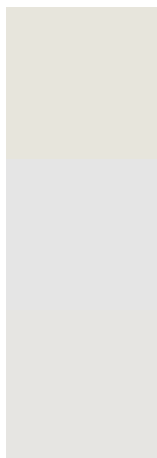
Deuteranomaly

77.9442, 0.3297, 0.3321

Tritanomaly

77.7145, 0.3118, 0.3197

Monochromacy



Original Color

78.1949, 0.3199, 0.3385

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.3526, 0.3153, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1949, 0.3199, 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(231, 229, 220)` looks like.

```
.text, #text, p{  
    color:rgb(231, 229, 220)  
}
```

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(231, 229, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 229, 220) }
```

Border

The CSS property to change the border of an element to Yxy 78.1949, 0.3199, 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(231, 229, 220) }
```

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

```
.border{ border-color:rgb(231, 229, 220) }
```

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

Here you see how a box with a 4 pixel rgb(231, 229, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 229, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 229, 220);  
box-shadow:4px 4px 4px 4px rgb(231, 229,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1949, 0.3199, 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(231, 229, 220) }
```

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

```
.background{ background-color: rgb(231,  
229, 220) }
```

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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