

Converting Colors

$Yxy(78.2968, 0.3207, 0.3368)$

Have a look what the booklet for
Yxy(78.2968, 0.3207, 0.3368)
contains.

Yxy(78.0309, 0.3207, 0.3364)	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(78.0309, 0.3207, 0.3364)

Conversions

Conversions Part 1

Format	Color
Hex	E9E4DD
RGB	233, 228, 221
RGB Percent	91%, 89%, 87%
CMY	0.0864, 0.1058, 0.1334
CMYK	0.00, 0.02, 0.05, 0.09
HSL	35°, 21%, 89%
HSV	35°, 5%, 91%
XYZ	74.3891, 78.0309, 79.5386
YIQ	228.6970, 5.2270, -1.1170

Conversions

Conversions Part 2

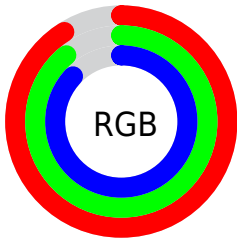
Format	Color
R _Y B	230, 233, 221
Decimal	15328477
CIE Lab	90.79, 0.46, 4.00
CIE LCh	91, 4.031, 83.431
Yxy	78.0309, 0.3207, 0.3364
Android (android.graphics.Color)	4293518557 (0xFFE9E4DD)
YUV	228.6970, -3.7946, 3.7737
Hunter-Lab	88.3351, -4.2672, 8.4487

Details

The Yxy color **78.0309, 0.3207, 0.3364** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.6111, 0.3049, 0.3215**, and the grayscale version is **78.1443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9874, 0.3222, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **71.7267, 0.3377, 0.3514**, and if you desaturate by 10%, it is **84.8092, 0.3056, 0.3222**.

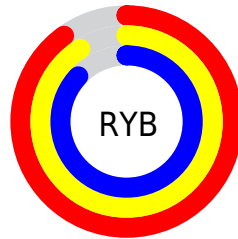
Distribution



Red (91%)

Green (89%)

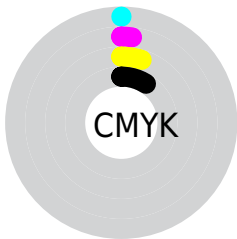
Blue (87%)



Red (90%)

Yellow (91%)

Blue (87%)

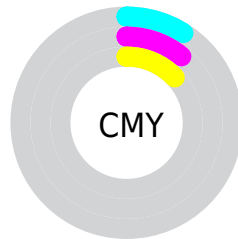


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0309, 0.3207, 0.3364 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 78.0309, 0.3207, 0.3364 by changing the saturation by 10% instead.

■ 78.0309, 0.3207,
0.3364

■ 78.0309, 0.3207,
0.3364

488.2718, 0.3170,
0.3330

■ 58.0994, 0.3215,
0.3372

130.5937, 0.3194,
0.3352

■ 41.8885, 0.3225,
0.3381

163.9937, 0.3189,
0.3348

■ 29.0140, 0.3238,
0.3393

202.6520, 0.3185,
0.3344

■ 19.0914, 0.3255,
0.3408

246.9530, 0.3182,
0.3340

■ 11.7364, 0.3277,
0.3429

297.2811, 0.3178,
0.3337

■ 6.5644, 0.3310,
0.3458

354.0207, 0.3175,

■ 3.1912, 0.3359,

0.3335

0.3504

417.5561, 0.3173,
0.3332

■ 1.2324, 0.3446,
0.3582

■ 0.0879, 0.5189,
0.4811

■ 78.0309, 0.3207,
0.3364

■ 78.0309, 0.3207,
0.3364

■ 71.7267, 0.3377,
0.3514

■ 84.8092, 0.3056,
0.3222

■ 65.8746, 0.3567,
0.3670

■ 91.2254, 0.2993,
0.3213

■ 60.4655, 0.3776,
0.3828

■ 96.0581, 0.2993,
0.3290

■ 55.4864, 0.4002,
0.3981

■ 50.9233, 0.4239,
0.4119

■ 46.7610, 0.4480,
0.4231

■ 42.9832, 0.4712,
0.4306

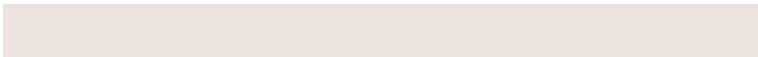
■ 39.5713, 0.4921,
0.4331

■ 36.5038, 0.5097,
0.4303

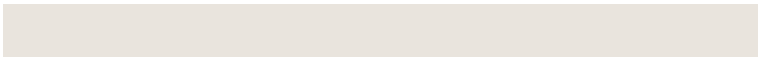
Harmonies

Analogous

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



78.0309, 0.3220, 0.3336



78.0309, 0.3207, 0.3364



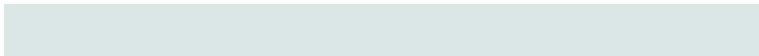
78.0309, 0.3172, 0.3373

Triad

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



78.0309, 0.3207, 0.3364



78.0309, 0.3047, 0.3284



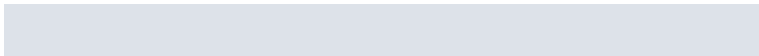
78.0309, 0.3128, 0.3223

Complementary

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



78.0309, 0.3207, 0.3364



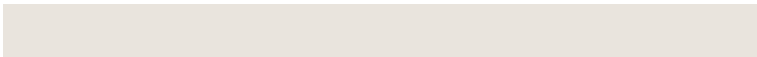
75.6111, 0.3049, 0.3215

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.



78.0309, 0.3082, 0.3209



78.0309, 0.3207, 0.3364



78.0309, 0.3035, 0.3244

Square

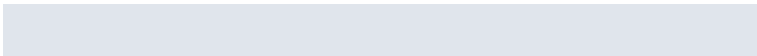
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0309, 0.3207, 0.3364



78.0309, 0.3080, 0.3326



78.0309, 0.3048, 0.3216



78.0309, 0.3175, 0.3255

Rectangle

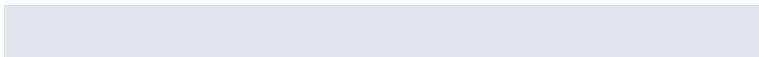
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0309, 0.3207, 0.3364



78.0309, 0.3142, 0.3366



78.0309, 0.3048, 0.3216



78.0309, 0.3112, 0.3216

Sweetspot

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



78.0343, 0.3207, 0.3364



98.3386, 0.3158, 0.3319



74.5151, 0.3179, 0.3238



21.0660, 0.3156, 0.3317



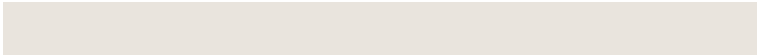
0.0000, 0.0000, 0.0000



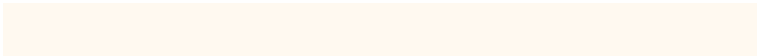
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0343, 0.3207, 0.3364



95.0857, 0.3221, 0.3377



80.6295, 0.3196, 0.3416



16.9224, 0.3231, 0.3386



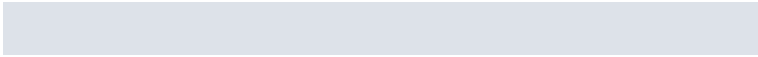
20.1864, 0.5153, 0.4290



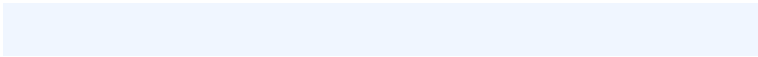
1.7740, 0.4984, 0.4425

Inverse Universe

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



75.6111, 0.3049, 0.3215



91.6179, 0.3035, 0.3201



73.1161, 0.3056, 0.3162



16.2433, 0.3025, 0.3192



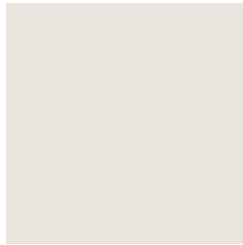
8.3453, 0.1696, 0.1304



0.8409, 0.1771, 0.1577

Previews

White Background



This preview shows how the Yxy color 78.0309, 0.3207, 0.3364 looks on a white background.

Color Contrast Check

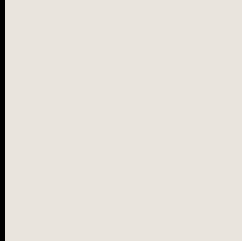
Large Text (above 18pt) WCAG AA × Fail

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 78.0309, 0.3207, 0.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

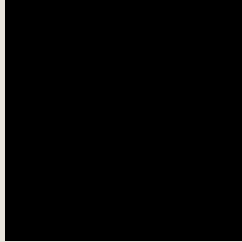
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

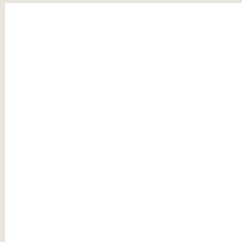
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0309, 0.3207, 0.3364

Background



This preview shows how black text looks on a background with the Yxy color 78.0309, 0.3207, 0.3364.

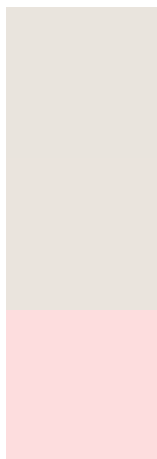


This preview shows how white text looks on a background with the Yxy color 78.0309, 0.3207, 0.3364.

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

78.0309, 0.3207, 0.3364

Protanopia

78.1997, 0.3214, 0.3364

Deuteranopia

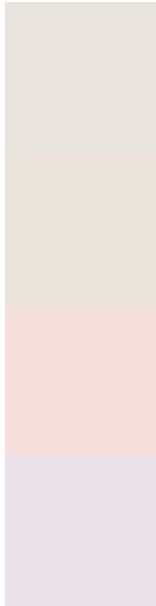
77.8695, 0.3351, 0.3281



Tritanopia

78.0941, 0.3094, 0.3116

Trichromacy



Original Color

78.0309, 0.3207, 0.3364

Protanomaly

78.1997, 0.3214, 0.3364

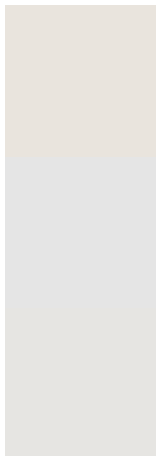
Deuteranomaly

78.1781, 0.3297, 0.3311

Tritanomaly

77.9954, 0.3138, 0.3207

Monochromacy



Original Color

78.0309, 0.3207, 0.3364

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 78.0309, 0.3207, 0.3364 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(233, 228, 221)` looks like.

```
.text, #text, p{  
    color:rgb(233, 228, 221)  
}
```

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(233, 228, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 228, 221) }
```

Border

The CSS property to change the border of an element to Yxy 78.0309, 0.3207, 0.3364 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(233, 228, 221) }
```

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

```
.border{ border-color:rgb(233, 228, 221) }
```

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

Here you see how a box with a 4 pixel rgb(233, 228, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 228, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 228, 221);  
box-shadow:4px 4px 4px 4px rgb(233, 228,  
221) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 78.0309, 0.3207, 0.3364$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 228, 221) }
```

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

```
.background{ background-color: rgb(233,  
228, 221) }
```

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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