

Converting Colors

$Yxy(78.0434, 0.3207, 0.3314)$

Have a look what the booklet for
Yxy(78.0434, 0.3207, 0.3314)
contains.

Yxy(78.1529, 0.3209, 0.3321)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.1529, 0.3209, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	ECE3E0
RGB	236, 227, 224
RGB Percent	93%, 89%, 88%
CMY	0.0746, 0.1098, 0.1214
CMYK	0.00, 0.04, 0.05, 0.07
HSL	15°, 24%, 90%
HSV	15°, 5%, 93%
XYZ	75.5172, 78.1529, 81.6593
YIQ	229.3490, 6.3270, 0.9750

Conversions

Conversions Part 2

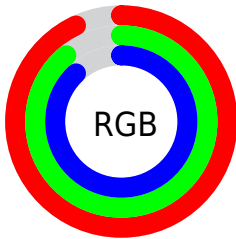
Format	Color
R _Y B	236, 228, 224
Decimal	15524832
CIE Lab	90.85, 2.54, 2.51
CIE LCh	91, 3.573, 44.714
Yxy	78.1529, 0.3209, 0.3321
Android (android.graphics.Color)	4293714912 (0xFFECE3E0)
YUV	229.3490, -2.6371, 5.8329
Hunter-Lab	88.4041, -2.2277, 7.1164

Details

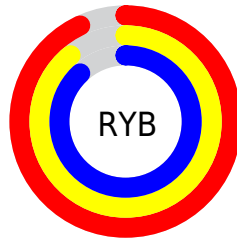
The Yxy color **78.1529, 0.3209, 0.3321** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.2050, 0.3049, 0.3259**, and the grayscale version is **78.6440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0729, 0.3225, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **67.7466, 0.3395, 0.3386**, and if you desaturate by 10%, it is **89.7451, 0.3054, 0.3261**.

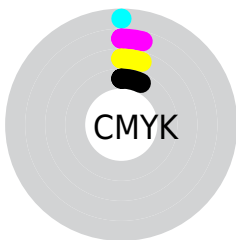
Distribution



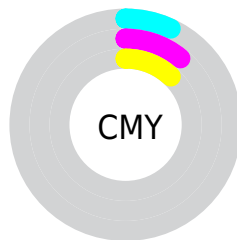
- Red (93%)
- Green (89%)
- Blue (88%)



- Red (93%)
- Yellow (89%)
- Blue (88%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (7%)





- Cyan (7%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1529, 0.3209, 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 78.1529, 0.3209, 0.3321 by changing the saturation by 10% instead.


 78.1529, 0.3209,
0.3321

 78.1529, 0.3209,
0.3321


488.6859, 0.3172,
0.3307

 58.1996, 0.3217,
0.3324


130.7656, 0.3196,
0.3316

 41.9691, 0.3228,
0.3328


164.1939, 0.3191,
0.3314

 29.0771, 0.3241,
0.3333


202.8825, 0.3187,
0.3313

 19.1392, 0.3258,
0.3339

247.2160, 0.3183,
0.3311

 11.7709, 0.3281,
0.3347

297.5787, 0.3180,
0.3310

 6.5879, 0.3315,
0.3359

354.3549, 0.3177,

 3.2057, 0.3366,

0.3309

0.3377

417.9292, 0.3174,
0.3308

■ 1.2401, 0.3456,
0.3407

■ 0.0941, 0.6168,
0.3832

■ 78.1529, 0.3209,
0.3321

■ 78.1529, 0.3209,
0.3321

■ 67.7466, 0.3395,
0.3386

■ 89.7451, 0.3054,
0.3261

■ 58.4786, 0.3618,
0.3454

■ 96.5706, 0.3011,
0.3290

■ 50.3128, 0.3883,
0.3523

■ 43.2074, 0.4194,
0.3590

■ 37.1180, 0.4549,
0.3646

■ 31.9968, 0.4938,
0.3683

■ 27.7922, 0.5334,
0.3688

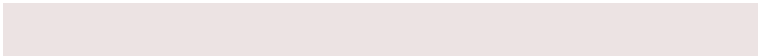
■ 24.4472, 0.5701,
0.3654

■ 21.8975, 0.5992,
0.3578

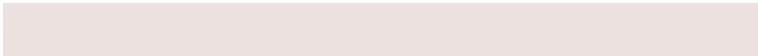
Harmonies

Analogous

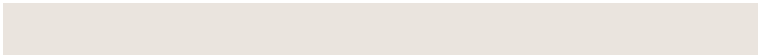
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1529, 0.3192, 0.3284



78.1529, 0.3209, 0.3321



78.1529, 0.3204, 0.3350

Triad

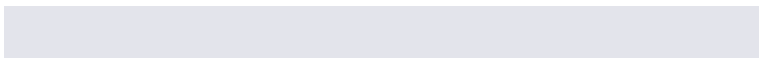
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1529, 0.3209, 0.3321



78.1529, 0.3096, 0.3332



78.1529, 0.3077, 0.3218

Complementary

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



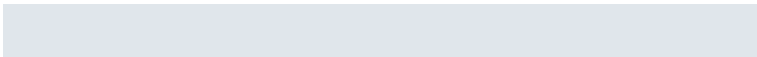
78.1529, 0.3209, 0.3321



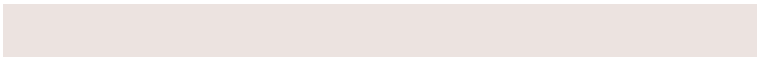
80.2050, 0.3049, 0.3259

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.



78.1529, 0.3051, 0.3230



78.1529, 0.3209, 0.3321



78.1529, 0.3063, 0.3296

Square

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



78.1529, 0.3209, 0.3321



78.1529, 0.3138, 0.3356



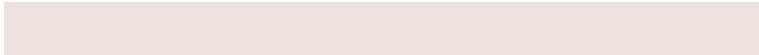
78.1529, 0.3046, 0.3259



78.1529, 0.3116, 0.3225

Rectangle

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



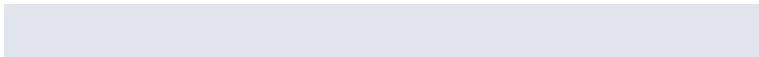
78.1529, 0.3209, 0.3321



78.1529, 0.3188, 0.3361



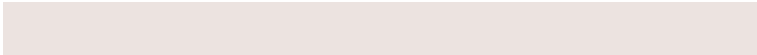
78.1529, 0.3046, 0.3259



78.1529, 0.3066, 0.3220

Sweetspot

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



78.1563, 0.3209, 0.3321



97.2523, 0.3159, 0.3302



77.0627, 0.3151, 0.3195



20.8448, 0.3157, 0.3302



0.0000, 0.0000, 0.0000



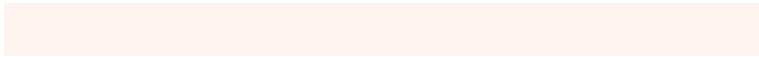
21.4041, 0.3127, 0.3290

Same Dimension

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



78.1563, 0.3209, 0.3321



91.9282, 0.3226, 0.3327



81.3815, 0.3204, 0.3381



16.3045, 0.3236, 0.3331



11.6948, 0.6079, 0.3555



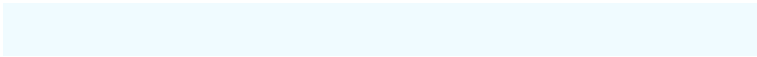
1.0665, 0.5811, 0.3768

Inverse Universe

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



80.2050, 0.3049, 0.3259



94.8186, 0.3034, 0.3253



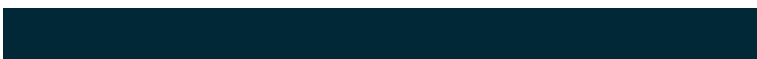
76.9757, 0.3050, 0.3198



16.8705, 0.3025, 0.3249



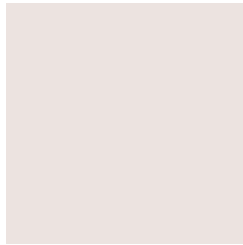
21.0042, 0.2019, 0.2469



1.7991, 0.2055, 0.2596

Previews

White Background



This preview shows how the Yxy color 78.1529, 0.3209, 0.3321 looks on a white background.

Color Contrast Check

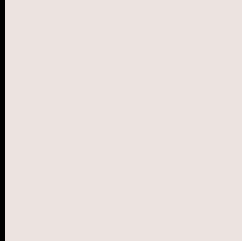
Large Text (above 18pt) WCAG AA × Fail

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 78.1529, 0.3209, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

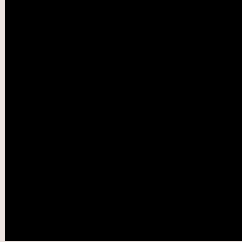
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

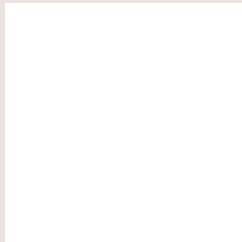
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1529, 0.3209, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 78.1529, 0.3209, 0.3321.

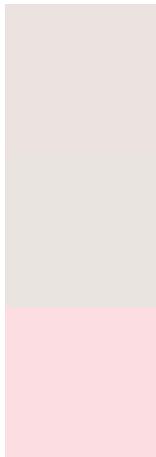


This preview shows how white text looks on a background with the Yxy color 78.1529, 0.3209, 0.3321.

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

78.1529, 0.3209, 0.3321

Protanopia

78.3610, 0.3195, 0.3332

Deuteranopia

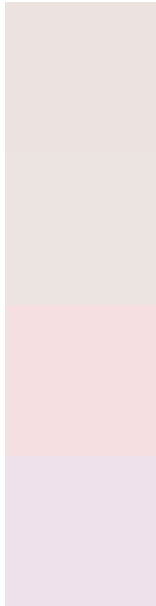
77.8446, 0.3323, 0.3250



Tritanopia

78.0728, 0.3115, 0.3107

Trichromacy



Original Color

78.1529, 0.3209, 0.3321

Protanomaly

78.5308, 0.3202, 0.3332

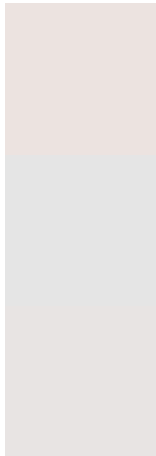
Deuteranomaly

77.8044, 0.3278, 0.3270

Tritanomaly

78.0257, 0.3153, 0.3187

Monochromacy



Original Color

78.1529, 0.3209, 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 78.1529, 0.3209, 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(236, 227, 224)` looks like.

```
.text, #text, p{  
    color:rgb(236, 227, 224)  
}
```

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(236, 227, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 227, 224) }
```

Border

The CSS property to change the border of an element to Yxy 78.1529, 0.3209, 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(236, 227, 224) }
```

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

```
.border{ border-color:rgb(236, 227, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 227, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 227, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 227, 224);  
box-shadow:4px 4px 4px 4px rgb(236, 227,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1529, 0.3209, 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(236, 227, 224) }
```

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

```
.background{ background-color: rgb(236,  
227, 224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor