

Converting Colors

Yxy(78.4869, 0.3135, 0.3190)

Have a look what the booklet for
Yxy(78.4869, 0.3135, 0.3190)
contains.

Yxy(78.2817, 0.3132, 0.3187)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.2817, 0.3132, 0.3187)

Conversions

Conversions Part 1

Format	Color
Hex	ECE2EC
RGB	236, 226, 236
RGB Percent	93%, 89%, 93%
CMY	0.0745, 0.1137, 0.0745
CMYK	0.00, 0.04, 0.00, 0.07
HSL	300°, 21%, 91%
HSV	300°, 4%, 93%
XYZ	76.9307, 78.2817, 90.4157
YIQ	230.1300, 2.7500, 5.2300

Conversions

Conversions Part 2

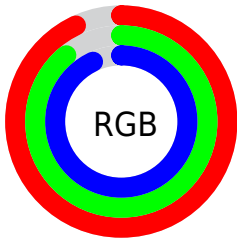
Format	Color
R _Y B	236, 226, 236
Decimal	15524588
CIE Lab	90.91, 5.16, -3.66
CIE LCh	91, 6.325, 324.632
Yxy	78.2817, 0.3132, 0.3187
Android (android.graphics.Color)	4293714668 (0xFFECE2EC)
YUV	230.1300, 2.8939, 5.1480
Hunter-Lab	88.4769, 0.3712, 1.3446

Details

The Yxy color $78.2817, 0.3132, 0.3187$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81.6557, 0.3122, 0.3395$, and the grayscale version is $79.2114, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $42.1244, 0.3133, 0.3170$ is the 20% darker color. If you saturate the color by 10%, you get $66.3207, 0.3144, 0.2939$, and if you desaturate by 10%, it is $92.0161, 0.3121, 0.3427$.

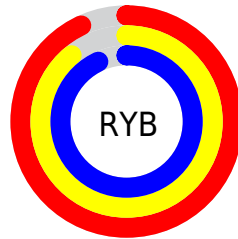
Distribution



Red (93%)

Green (89%)

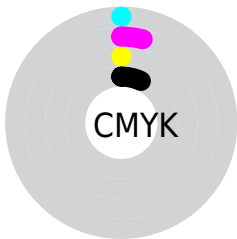
Blue (93%)



Red (93%)

Yellow (89%)

Blue (93%)

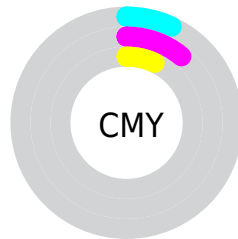


Cyan (0%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (11%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2817, 0.3132, 0.3187 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 78.2817, 0.3132, 0.3187 by changing the saturation by 10% instead.

 78.2817, 0.3132,
0.3187

 78.2817, 0.3132,
0.3187

489.1230, 0.3130,
0.3234

 58.3054, 0.3132,
0.3177


130.9472, 0.3131,
0.3203

 42.0542, 0.3133,
0.3164

164.4051, 0.3131,
0.3209

 29.1438, 0.3133,
0.3148


203.1258, 0.3131,
0.3215

 19.1896, 0.3134,
0.3127


247.4935, 0.3131,
0.3220

 11.8074, 0.3135,
0.3099

297.8927, 0.3130,
0.3224

 6.6126, 0.3136,
0.3059

354.7077, 0.3130,

 3.2211, 0.3137,

0.3227

0.3000

418.3230, 0.3130,
0.3231

■ 1.2482, 0.3139,
0.2898

■ 0.1006, 0.3222,
0.1463

■ 78.2817, 0.3132,
0.3187

■ 78.2817, 0.3132,
0.3187

■ 66.3207, 0.3144,
0.2939

■ 92.0161, 0.3121,
0.3427

■ 56.0511, 0.3155,
0.2687

■ 95.4109, 0.3118,
0.3480

■ 47.3998, 0.3167,
0.2441

■ 95.4111, 0.3118,
0.3480

■ 40.2844, 0.3178,
0.2210

■ 95.4112, 0.3118,
0.3480

34.6149, 0.3188,
0.2003

95.4114, 0.3118,
0.3480

30.2925, 0.3196,
0.1829

95.4115, 0.3118,
0.3480

27.2056, 0.3202,
0.1695

95.4117, 0.3118,
0.3480

25.2249, 0.3206,
0.1605

95.4118, 0.3118,
0.3480

24.1927, 0.3209,
0.1556

95.4119, 0.3118,
0.3480

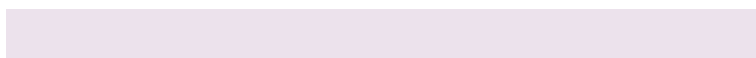
Harmonies

Analogous

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



78.2817, 0.3059, 0.3164



78.2817, 0.3132, 0.3187



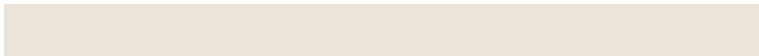
78.2817, 0.3204, 0.3237

Triad

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



78.2817, 0.3132, 0.3187



78.2817, 0.3251, 0.3407



78.2817, 0.3000, 0.3277

Complementary

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



78.2817, 0.3132, 0.3187



81.6557, 0.3122, 0.3395

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.



78.2817, 0.3050, 0.3344



78.2817, 0.3132, 0.3187



78.2817, 0.3195, 0.3420

Square

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



78.2817, 0.3132, 0.3187



78.2817, 0.3274, 0.3363



78.2817, 0.3121, 0.3397



78.2817, 0.2983, 0.3215

Rectangle

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



78.2817, 0.3132, 0.3187



78.2817, 0.3243, 0.3279



78.2817, 0.3121, 0.3397



78.2817, 0.3013, 0.3300

Sweetspot

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



78.2851, 0.3132, 0.3187



98.3838, 0.3128, 0.3266



76.6203, 0.3063, 0.3185



21.0752, 0.3128, 0.3267



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.



78.2851, 0.3132, 0.3187



92.1331, 0.3133, 0.3168



77.9984, 0.3164, 0.3238



16.3026, 0.3134, 0.3152



13.1673, 0.3209, 0.1542



1.0340, 0.3209, 0.1542

Inverse Universe

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



78.2851, 0.3132, 0.3187



92.1331, 0.3133, 0.3168



81.9343, 0.3091, 0.3342



16.3026, 0.3134, 0.3152



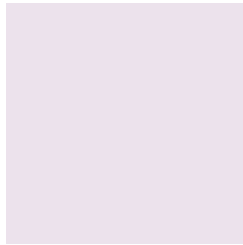
13.1673, 0.3209, 0.1542



1.0340, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 78.2817, 0.3132, 0.3187 looks on a white background.

Color Contrast Check

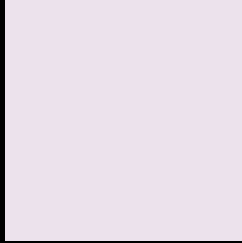
Large Text (above 18pt) WCAG AA × Fail

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 78.2817, 0.3132, 0.3187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

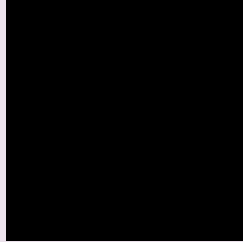
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

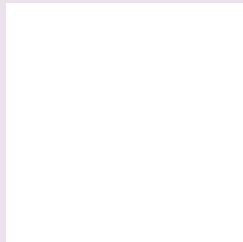
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2817, 0.3132, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 78.2817, 0.3132, 0.3187.

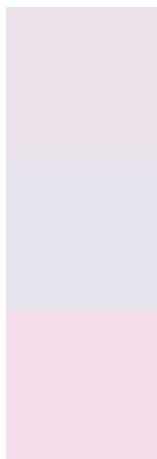


This preview shows how white text looks on a background with the Yxy color 78.2817, 0.3132, 0.3187.

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

78.2817, 0.3132, 0.3187

Protanopia

78.5902, 0.3091, 0.3197

Deuteranopia

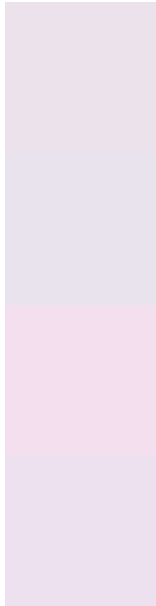
78.1311, 0.3205, 0.3139



Tritanopia

78.3260, 0.3094, 0.3106

Trichromacy



Original Color

78.2817, 0.3132, 0.3187

Protanomaly

78.3762, 0.3105, 0.3187

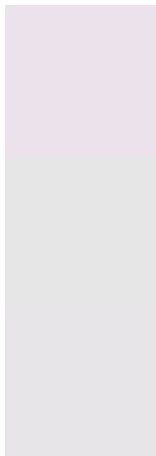
Deuteranomaly

77.9445, 0.3176, 0.3148

Tritanomaly

78.1462, 0.3114, 0.3136

Monochromacy



Original Color

78.2817, 0.3132, 0.3187

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.0206, 0.3129, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2817, 0.3132, 0.3187 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, 226, 236) looks like.

```
.text, #text, p{  
    color:rgb(236, 226, 236)  
}
```

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, 226, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 226, 236) }
```

Border

The CSS property to change the border of an element to Yxy 78.2817, 0.3132, 0.3187 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, 226, 236) }
```

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

```
.border{ border-color:rgb(236, 226, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 226, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 226, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 226, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 226,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2817, 0.3132, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 226, 236) }
```

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

```
.background{ background-color: rgb(236,  
226, 236) }
```

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