

Converting Colors

$Yxy(77.1832, 0.3114, 0.3215)$

Have a look what the booklet for
Yxy(77.1832, 0.3114, 0.3215)
contains.

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Color

Yxy(77.2648, 0.3117, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	E7E2E9
RGB	231, 226, 233
RGB Percent	91%, 89%, 91%
CMY	0.0940, 0.1137, 0.0863
CMYK	0.01, 0.03, 0.00, 0.09
HSL	283°, 14%, 90%
HSV	283°, 3%, 91%
XYZ	74.8630, 77.2648, 88.0487
YIQ	228.2930, 0.7330, 3.2370

Conversions

Conversions Part 2

Format	Color
R _Y B	231, 226, 233
Decimal	15196905
CIE Lab	90.44, 2.95, -2.81
CIE LCh	90, 4.072, 316.406
Yxy	77.2648, 0.3117, 0.3217
Android (android.graphics.Color)	4293386985 (0xFFE7E2E9)
YUV	228.2930, 2.3206, 2.3740
Hunter-Lab	87.9004, -1.8008, 2.1402

Details

The Yxy color `77.2648, 0.3117, 0.3217` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.2504, 0.3137, 0.3363`, and the grayscale version is `77.7946, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.4141, 0.3113, 0.3209` is the 20% darker color. If you saturate the color by 10%, you get `64.3763, 0.3079, 0.2963`, and if you desaturate by 10%, it is `91.9224, 0.3149, 0.3454`.

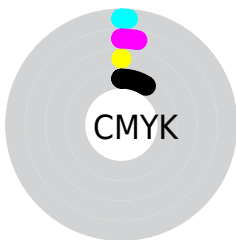
Distribution



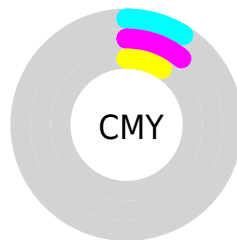
- Red (91%)
- Green (89%)
- Blue (91%)



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



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2648, 0.3117, 0.3217 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 77.2648, 0.3117, 0.3217 by changing the saturation by 10% instead.

 77.2648, 0.3117,
0.3217

 77.2648, 0.3117,
0.3217


485.6664, 0.3122,
0.3250

 57.4702, 0.3116,
0.3209

129.5132, 0.3119,
0.3228

 41.3829, 0.3115,
0.3200


162.7358, 0.3119,
0.3233

 28.6184, 0.3113,
0.3189


201.2033, 0.3120,
0.3237

 18.7923, 0.3111,
0.3174

245.2999, 0.3120,
0.3240

 11.5203, 0.3107,
0.3153

295.4101, 0.3121,
0.3243

 6.4180, 0.3103,
0.3124

351.9184, 0.3121,

 3.1009, 0.3096,

0.3246

0.3080

415.2090, 0.3121,
0.3248

■ 1.1846, 0.3083,
0.3004

■ 0.0491, 0.2842,
0.1176

■ 77.2648, 0.3117,
0.3217

■ 77.2648, 0.3117,
0.3217

■ 64.3763, 0.3079,
0.2963

■ 91.9224, 0.3149,
0.3454

■ 53.1776, 0.3033,
0.2697

■ 96.6580, 0.3187,
0.3507

■ 43.5980, 0.2979,
0.2424

■ 97.8516, 0.3228,
0.3505

■ 35.5577, 0.2918,
0.2153

■ 98.6625, 0.3256,
0.3503

■ 28.9704, 0.2850,
0.1894

■ 23.7409, 0.2777,
0.1660

■ 19.7625, 0.2700,
0.1461

■ 16.9120, 0.2623,
0.1307

■ 15.0405, 0.2548,
0.1201

Harmonies

Analogous

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



77.2648, 0.3072, 0.3208



77.2648, 0.3117, 0.3217



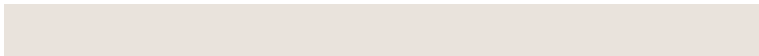
77.2648, 0.3165, 0.3245

Triad

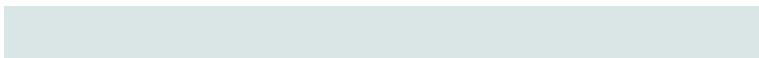
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2648, 0.3117, 0.3217



77.2648, 0.3213, 0.3360



77.2648, 0.3052, 0.3294

Complementary

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



77.2648, 0.3117, 0.3217



80.2504, 0.3137, 0.3363

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.



77.2648, 0.3089, 0.3336



77.2648, 0.3117, 0.3217



77.2648, 0.3183, 0.3374

Square

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



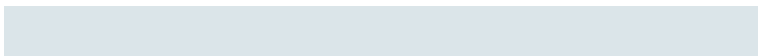
77.2648, 0.3117, 0.3217



77.2648, 0.3221, 0.3328



77.2648, 0.3137, 0.3365



77.2648, 0.3034, 0.3252

Rectangle

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



77.2648, 0.3117, 0.3217



77.2648, 0.3193, 0.3272



77.2648, 0.3137, 0.3365



77.2648, 0.3062, 0.3309

Sweetspot

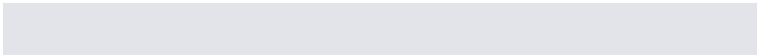
The Sweet Spot groups the original color and five complimentary colors.



77.2681, 0.3117, 0.3217



98.2481, 0.3124, 0.3266



77.5271, 0.3082, 0.3237



21.0476, 0.3124, 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.



77.2681, 0.3117, 0.3217



93.1240, 0.3113, 0.3192



77.5108, 0.3140, 0.3233



16.4446, 0.3111, 0.3174



8.0955, 0.2509, 0.1156



0.6836, 0.2609, 0.1211

Inverse Universe

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



77.3139, 0.3163, 0.3270



93.2006, 0.3176, 0.3263



80.0144, 0.3114, 0.3348



16.4609, 0.3185, 0.3258



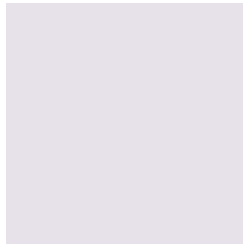
10.0680, 0.5825, 0.2982



0.8065, 0.5431, 0.2765

Previews

White Background



This preview shows how the Yxy color 77.2648, 0.3117, 0.3217 looks on a white background.

Color Contrast Check

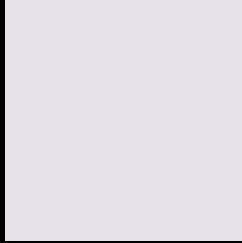
Large Text (above 18pt) WCAG AA × Fail

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 77.2648, 0.3117, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

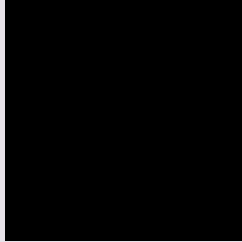
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

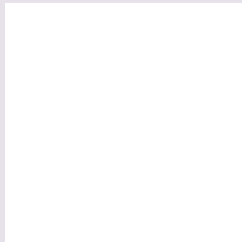
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2648, 0.3117, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 77.2648, 0.3117, 0.3217.

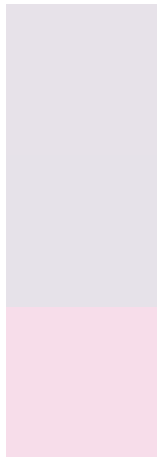


This preview shows how white text looks on a background with the Yxy color 77.2648, 0.3117, 0.3217.

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

77.2648, 0.3117, 0.3217

Protanopia

77.0989, 0.3110, 0.3217

Deuteranopia

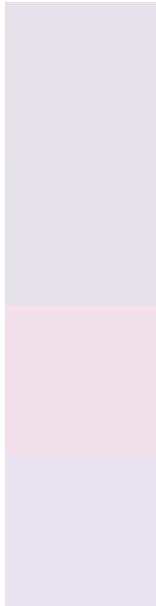
77.4276, 0.3226, 0.3159



Tritanopia

77.4170, 0.3067, 0.3114

Trichromacy



Original Color

77.2648, 0.3117, 0.3217

Protanomaly

77.0989, 0.3110, 0.3217

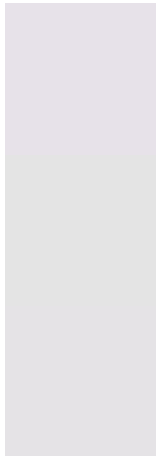
Deuteranomaly

77.4166, 0.3182, 0.3178

Tritanomaly

77.2382, 0.3086, 0.3145

Monochromacy



Original Color

77.2648, 0.3117, 0.3217

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.3094, 0.3122, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2648, 0.3117, 0.3217 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, 226, 233)` looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 233)  
}
```

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, 226, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 226, 233) }
```

Border

The CSS property to change the border of an element to Yxy 77.2648, 0.3117, 0.3217 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, 226, 233) }
```

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

```
.border{ border-color:rgb(231, 226, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 226, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 226, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 226, 233);  
box-shadow:4px 4px 4px 4px rgb(231, 226,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2648, 0.3117, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 226, 233) }
```

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

```
.background{ background-color: rgb(231,  
226, 233) }
```

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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