

Converting Colors

Yxy(80.6886, 0.3139, 0.3231)

Have a look what the booklet for
Yxy(80.6886, 0.3139, 0.3231)
contains.

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Color

Yxy(80.6543, 0.3137, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	EDE6EC
RGB	237, 230, 236
RGB Percent	93%, 90%, 93%
CMY	0.0706, 0.0980, 0.0746
CMYK	0.00, 0.03, 0.00, 0.07
HSL	309°, 16%, 92%
HSV	309°, 3%, 93%
XYZ	78.3563, 80.6543, 90.7704
YIQ	232.7770, 2.2460, 3.3500

Conversions

Conversions Part 2

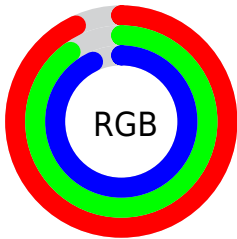
Format	Color
R _Y B	237, 230, 236
Decimal	15591148
CIE Lab	91.98, 3.41, -2.06
CIE LCh	92, 3.984, 328.821
Yxy	80.6543, 0.3137, 0.3229
Android (android.graphics.Color)	4293781228 (0xFFE6E6EC)
YUV	232.7770, 1.5889, 3.7036
Hunter-Lab	89.8077, -1.4242, 2.9399

Details

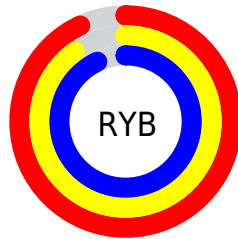
The Yxy color $80.6543, 0.3137, 0.3229$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $83.1607, 0.3117, 0.3352$, and the grayscale version is $81.2959, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.7790, 0.3139, 0.3224$ is the 20% darker color. If you saturate the color by 10%, you get $68.1509, 0.3174, 0.3016$, and if you desaturate by 10%, it is $94.9618, 0.3105, 0.3432$.

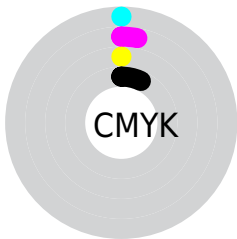
Distribution



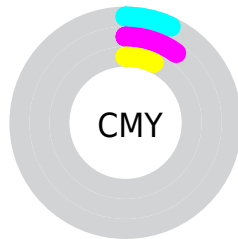
- Red (93%)
- Green (90%)
- Blue (93%)



- Red (93%)
- Yellow (90%)
- Blue (93%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)





- Cyan (7%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6543, 0.3137, 0.3229 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 80.6543, 0.3137, 0.3229 by changing the saturation by 10% instead.

 80.6543, 0.3137,
0.3229

 80.6543, 0.3137,
0.3229

497.1351, 0.3133,
0.3257

 60.2569, 0.3138,
0.3223

134.2853, 0.3136,
0.3238

 43.6258, 0.3139,
0.3215


168.2876, 0.3135,
0.3242

 30.3764, 0.3141,
0.3206


207.5938, 0.3134,
0.3245

 20.1245, 0.3142,
0.3193

252.5881, 0.3134,
0.3248

 12.4855, 0.3145,
0.3177

303.6550, 0.3134,
0.3251

 7.0753, 0.3148,
0.3154

361.1789, 0.3133,

 3.5092, 0.3154,

0.3253

425.5441, 0.3133,
0.3255

0.3119

1.4030, 0.3162,
0.3060

0.2189, 0.3263,
0.2452

80.6543, 0.3137,
0.3229

80.6543, 0.3137,
0.3229

68.1509, 0.3174,
0.3016

94.9618, 0.3105,
0.3432

57.3692, 0.3215,
0.2798

95.9894, 0.3085,
0.3410

48.2361, 0.3262,
0.2580

96.2012, 0.3065,
0.3375

40.6690, 0.3313,
0.2371

96.4170, 0.3046,
0.3340

■ 34.5783, 0.3367,
0.2181

■ 96.6369, 0.3027,
0.3306

■ 29.8653, 0.3424,
0.2018

■ 96.7433, 0.3017,
0.3290

■ 26.4191, 0.3481,
0.1892

■ 24.1119, 0.3537,
0.1811

■ 22.7889, 0.3590,
0.1774

Harmonies

Analogous

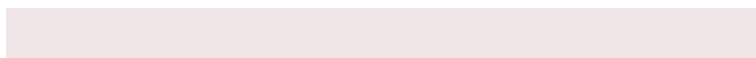
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6543, 0.3091, 0.3212



80.6543, 0.3137, 0.3229



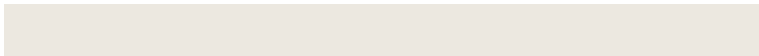
80.6543, 0.3181, 0.3262

Triad

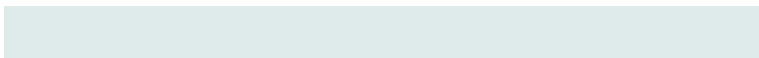
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6543, 0.3137, 0.3229



80.6543, 0.3200, 0.3365



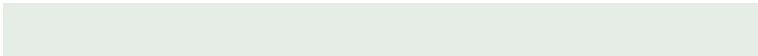
80.6543, 0.3045, 0.3276

Complementary

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



80.6543, 0.3137, 0.3229



83.1607, 0.3117, 0.3352

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.



80.6543, 0.3074, 0.3318



80.6543, 0.3137, 0.3229



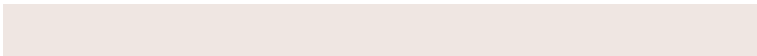
80.6543, 0.3163, 0.3370

Square

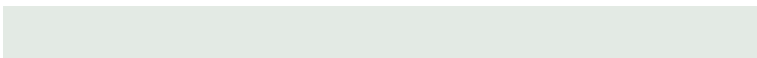
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



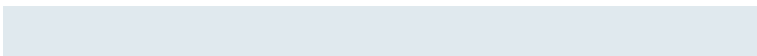
80.6543, 0.3137, 0.3229



80.6543, 0.3218, 0.3341



80.6543, 0.3117, 0.3353



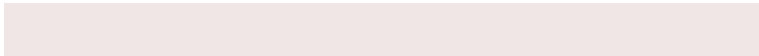
80.6543, 0.3038, 0.3239

Rectangle

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



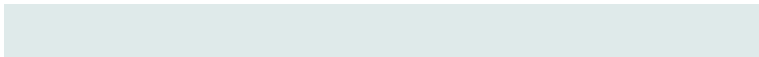
80.6543, 0.3137, 0.3229



80.6543, 0.3203, 0.3289



80.6543, 0.3117, 0.3353



80.6543, 0.3052, 0.3290

Sweetspot

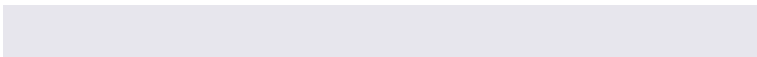
The Sweet Spot groups the original color and five complimentary colors.



80.6578, 0.3137, 0.3229



98.3597, 0.3130, 0.3269



79.6935, 0.3090, 0.3218



21.0703, 0.3130, 0.3270



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.



80.6578, 0.3137, 0.3229



93.5679, 0.3141, 0.3207



80.4621, 0.3159, 0.3264



16.5380, 0.3143, 0.3192



12.1799, 0.3617, 0.1766



0.9668, 0.3552, 0.1730

Inverse Universe

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



80.6578, 0.3137, 0.3229



93.5679, 0.3141, 0.3207



83.3546, 0.3097, 0.3316



16.5380, 0.3143, 0.3192



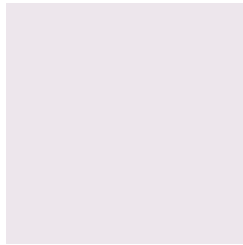
12.1799, 0.3617, 0.1766



0.9668, 0.3552, 0.1730

Previews

White Background



This preview shows how the Yxy color 80.6543, 0.3137, 0.3229 looks on a white background.

Color Contrast Check

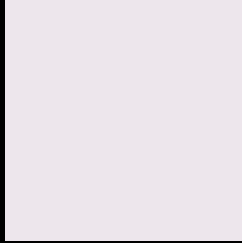
Large Text (above 18pt) WCAG AA × Fail

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 80.6543, 0.3137, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

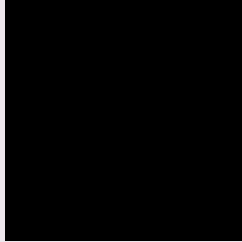
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

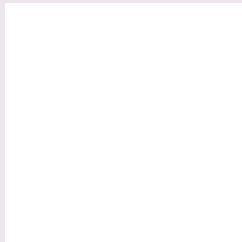
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6543, 0.3137, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 80.6543, 0.3137, 0.3229.

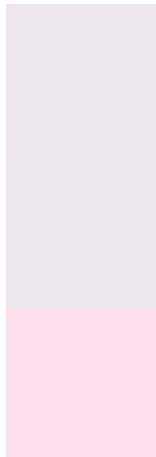


This preview shows how white text looks on a background with the Yxy color 80.6543, 0.3137, 0.3229.

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

80.6543, 0.3137, 0.3229

Protanopia

80.8701, 0.3123, 0.3239

Deuteranopia

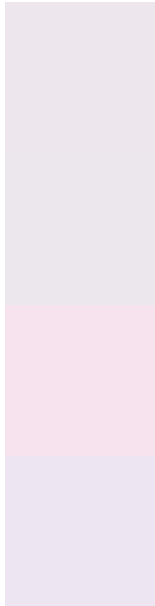
80.6603, 0.3238, 0.3171



Tritanopia

80.4913, 0.3088, 0.3108

Trichromacy



Original Color

80.6543, 0.3137, 0.3229

Protanomaly

81.0408, 0.3130, 0.3239

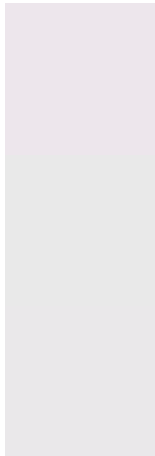
Deuteranomaly

80.8268, 0.3201, 0.3190

Tritanomaly

80.6266, 0.3106, 0.3158

Monochromacy



Original Color

80.6543, 0.3137, 0.3229

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.1462, 0.3128, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6543, 0.3137, 0.3229 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(237, 230, 236)` looks like.

```
.text, #text, p{  
    color:rgb(237, 230, 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(237, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 230, 236) }
```

Border

The CSS property to change the border of an element to Yxy 80.6543, 0.3137, 0.3229 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(237, 230, 236) }
```

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

```
.border{ border-color:rgb(237, 230, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 230, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 230, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 230, 236);  
box-shadow:4px 4px 4px 4px rgb(237, 230,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6543, 0.3137, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 230, 236) }
```

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

```
.background{ background-color: rgb(237,  
230, 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](#).

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