

Converting Colors

$Yxy(78.4883, 0.3133, 0.3312)$

Have a look what the booklet for
Yxy(78.4883, 0.3133, 0.3312)
contains.

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Color

Yxy(78.6337, 0.3133, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	E4E6E3
RGB	228, 230, 227
RGB Percent	89%, 90%, 89%
CMY	0.1057, 0.0980, 0.1100
CMYK	0.01, 0.00, 0.01, 0.10
HSL	99°, 6%, 90%
HSV	99°, 1%, 90%
XYZ	74.1600, 78.6337, 83.9122
YIQ	229.0600, -0.2290, -1.3570

Conversions

Conversions Part 2

Format	Color
RYB	227, 230, 229
Decimal	15001315
CIELab	91.07, -1.19, 1.23
CIELCh	91, 1.718, 134.061
Yxy	78.6337, 0.3133, 0.3322
Android (android.graphics.Color)	4293191395 (0xFFE4E6E3)
YUV	229.0600, -1.0156, -0.9296
Hunter-Lab	88.6756, -5.9018, 5.9678

Details

The Yxy color **78.6337, 0.3133, 0.3322** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.2755, 0.3121, 0.3258**, and the grayscale version is **78.4125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5227, 0.3134, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **75.1213, 0.3177, 0.3579**, and if you desaturate by 10%, it is **82.5319, 0.3089, 0.3091**.

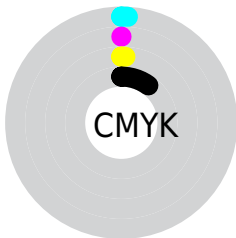
Distribution



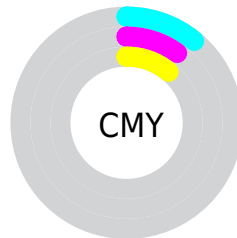
- Red (89%)
- Green (90%)
- Blue (89%)



- Red (89%)
- Yellow (90%)
- Blue (90%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6337, 0.3133, 0.3322 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 78.6337, 0.3133, 0.3322 by changing the saturation by 10% instead.

■ 78.6337, 0.3133,
0.3322

■ 78.6337, 0.3133,
0.3322

490.3163, 0.3130,
0.3307

■ 58.5947, 0.3134,
0.3325

131.4431, 0.3132,
0.3317

■ 42.2869, 0.3134,
0.3329

164.9822, 0.3132,
0.3315

■ 29.3260, 0.3135,
0.3334

203.7902, 0.3131,
0.3313

■ 19.3276, 0.3136,
0.3341

248.2514, 0.3131,
0.3312

■ 11.9072, 0.3138,
0.3350

298.7502, 0.3131,
0.3311

■ 6.6805, 0.3140,
0.3363

355.6710, 0.3131,

■ 3.2631, 0.3144,

0.3309

0.3383

419.3982, 0.3131,
0.3308

■ 1.2706, 0.3149,
0.3417

■ 0.1183, 0.3412,
0.4848

■ 78.6337, 0.3133,
0.3322

■ 78.6337, 0.3133,
0.3322

■ 75.1213, 0.3177,
0.3579

■ 82.5319, 0.3089,
0.3091

■ 71.9725, 0.3219,
0.3861

■ 85.0737, 0.3138,
0.3048

■ 69.1783, 0.3256,
0.4165

■ 66.7252, 0.3287,
0.4482

■ 64.5990, 0.3307,
0.4802

■ 62.7844, 0.3312,
0.5108

■ 61.2646, 0.3301,
0.5382

■ 60.0209, 0.3272,
0.5605

■ 59.0319, 0.3228,
0.5765

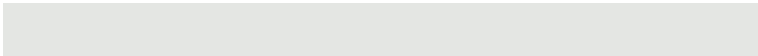
Harmonies

Analogous

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



78.6337, 0.3152, 0.3325



78.6337, 0.3133, 0.3322



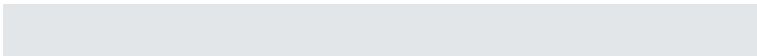
78.6337, 0.3113, 0.3310

Triad

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



78.6337, 0.3133, 0.3322



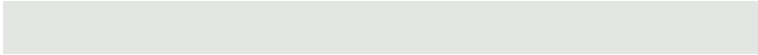
78.6337, 0.3091, 0.3262



78.6337, 0.3158, 0.3287

Complementary

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



78.6337, 0.3133, 0.3322



77.2755, 0.3121, 0.3258

Split Complementary

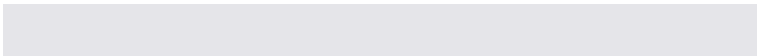
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6337, 0.3142, 0.3270



78.6337, 0.3133, 0.3322



78.6337, 0.3103, 0.3256

Square

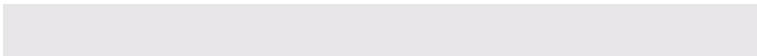
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



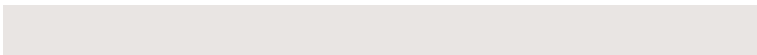
78.6337, 0.3133, 0.3322



78.6337, 0.3088, 0.3275



78.6337, 0.3121, 0.3259



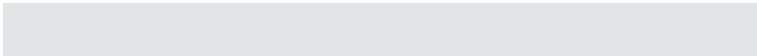
78.6337, 0.3166, 0.3305

Rectangle

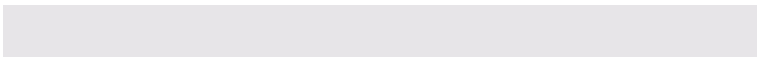
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6337, 0.3133, 0.3322



78.6337, 0.3101, 0.3299



78.6337, 0.3121, 0.3259



78.6337, 0.3153, 0.3281

Sweetspot

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



78.6371, 0.3133, 0.3322

100.0000, 0.3127, 0.3290



78.3421, 0.3147, 0.3310



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

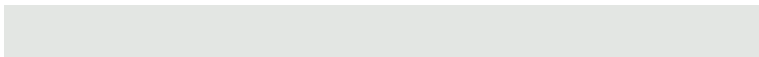
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6371, 0.3133, 0.3322



99.0556, 0.3136, 0.3339



78.4844, 0.3123, 0.3318



16.9129, 0.3136, 0.3336



33.0987, 0.3193, 0.5847



2.4964, 0.3306, 0.5757

Inverse Universe

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



77.2755, 0.3121, 0.3258



96.4490, 0.3118, 0.3241



77.4298, 0.3131, 0.3262



16.4944, 0.3119, 0.3244



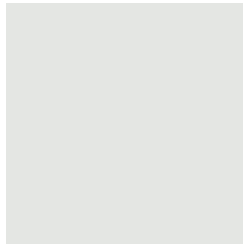
6.9097, 0.2339, 0.1062



0.5621, 0.2467, 0.1133

Previews

White Background



This preview shows how the Yxy color 78.6337, 0.3133, 0.3322 looks on a white background.

Color Contrast Check

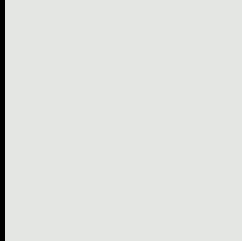
Large Text (above 18pt) WCAG AA × Fail

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 78.6337, 0.3133, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

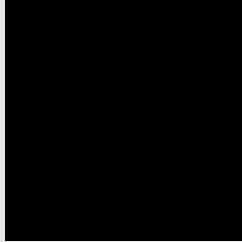
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

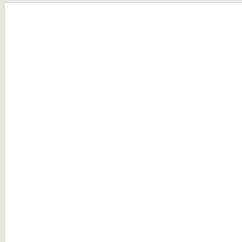
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6337, 0.3133, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 78.6337, 0.3133, 0.3322.

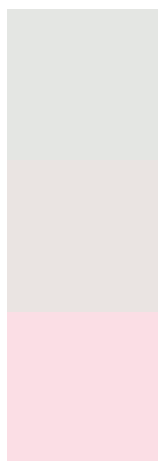


This preview shows how white text looks on a background with the Yxy color 78.6337, 0.3133, 0.3322.

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

78.6337, 0.3133, 0.3322

Protanopia

78.4702, 0.3182, 0.3311

Deuteranopia

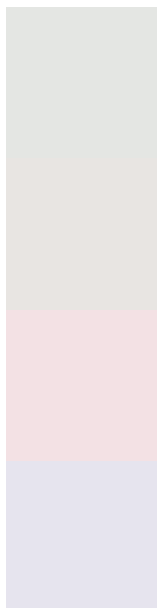
78.4089, 0.3287, 0.3220



Tritanopia

78.5197, 0.3041, 0.3105

Trichromacy



Original Color

78.6337, 0.3133, 0.3322

Protanomaly

78.6854, 0.3167, 0.3322

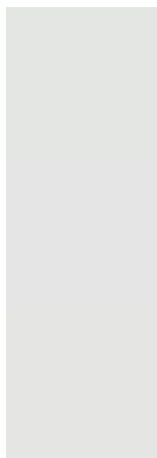
Deuteranomaly

78.5066, 0.3234, 0.3260

Tritanomaly

78.4828, 0.3077, 0.3186

Monochromacy



Original Color

78.6337, 0.3133, 0.3322

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.2981, 0.3134, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6337, 0.3133, 0.3322 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(228, 230, 227) looks like.

```
.text, #text, p{  
    color:rgb(228, 230, 227)  
}
```

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(228, 230, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 230, 227) }
```

Border

The CSS property to change the border of an element to Yxy 78.6337, 0.3133, 0.3322 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(228, 230, 227) }
```

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

```
.border{ border-color:rgb(228, 230, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 230, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 230, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 230, 227);  
box-shadow:4px 4px 4px 4px rgb(228, 230,  
227) }
```

Background

The CSS property to change the background color of an element to Yxy 78.6337, 0.3133, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 230, 227) }
```

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

```
.background{ background-color: rgb(228,  
230, 227) }
```

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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