

Converting Colors

Yxy(77.9947, 0.3132, 0.3356)

Have a look what the booklet for
Yxy(77.9947, 0.3132, 0.3356)
contains.

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Color

Yxy(77.9830, 0.3131, 0.3354)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | E1E6E0 |
| RGB | 225, 230, 224 |
| RGB Percent | 88%, 90%, 88% |
| CMY | 0.1177, 0.0980, 0.1216 |
| CMYK | 0.02, 0.00, 0.03, 0.10 |
| HSL | 110°, 11%, 89% |
| HSV | 110°, 3%, 90% |
| XYZ | 72.7981, 77.9830, 81.7264 |
| YIQ | 227.8210, -1.0540, -2.9260 |

Conversions

Conversions Part 2

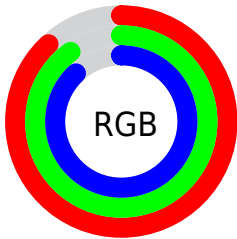
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 224, 230, 229 |
| Decimal | 14804704 |
| CIELab | 90.77, -2.75, 2.33 |
| CIElCh | 91, 3.607, 139.758 |
| Yxy | 77.9830, 0.3131, 0.3354 |
| Android (android.graphics.Color) | 4292994784 (0xFFE1E6E0) |
| YUV | 227.8210, -1.8838, -2.4740 |
| Hunter-Lab | 88.3080, -7.3897, 6.9445 |

Details

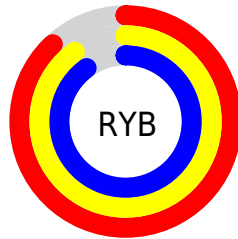
The Yxy color **77.9830, 0.3131, 0.3354** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.6781, 0.3123, 0.3227**, and the grayscale version is **77.4602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0706, 0.3132, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **73.9103, 0.3145, 0.3618**, and if you desaturate by 10%, it is **82.5775, 0.3116, 0.3121**.

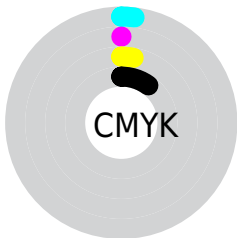
Distribution



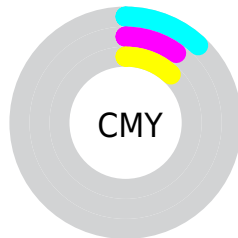
- Red (88%)
- Green (90%)
- Blue (88%)



- Red (88%)
- Yellow (90%)
- Blue (90%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (12%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9830, 0.3131, 0.3354 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 77.9830, 0.3131, 0.3354 by changing the saturation by 10% instead.

■ 77.9830, 0.3131,
0.3354

■ 77.9830, 0.3131,
0.3354

488.1091, 0.3129,
0.3325

■ 58.0600, 0.3131,
0.3361

130.5262, 0.3130,
0.3344

■ 41.8569, 0.3132,
0.3369

163.9151, 0.3130,
0.3340

■ 28.9893, 0.3132,
0.3379

202.5615, 0.3130,
0.3337

■ 19.0727, 0.3133,
0.3393

246.8498, 0.3130,
0.3334

■ 11.7228, 0.3134,
0.3411

297.1643, 0.3130,
0.3331

■ 6.5552, 0.3135,
0.3437

353.8894, 0.3130,

■ 3.1855, 0.3137,

0.3329

0.3478

417.4095, 0.3129,
0.3327

■ 1.2294, 0.3139,
0.3551

■ 0.0855, 0.1410,
0.8590

■ 77.9830, 0.3131,
0.3354

■ 77.9830, 0.3131,
0.3354

■ 73.9103, 0.3145,
0.3618

■ 82.5775, 0.3116,
0.3121

■ 70.3312, 0.3156,
0.3912

■ 85.0796, 0.3138,
0.3049

■ 67.2299, 0.3164,
0.4233

■ 64.5859, 0.3166,
0.4573

■ 62.3772, 0.3162,
0.4916

■ 60.5802, 0.3150,
0.5243

■ 59.1685, 0.3129,
0.5529

■ 58.1130, 0.3101,
0.5753

■ 57.3798, 0.3068,
0.5900

Harmonies

Analogous

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



77.9830, 0.3172, 0.3364



77.9830, 0.3131, 0.3354



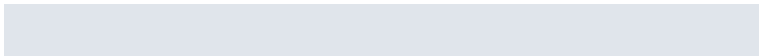
77.9830, 0.3089, 0.3327

Triad

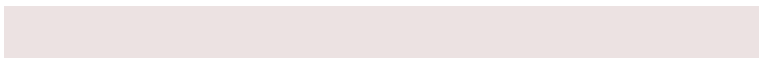
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9830, 0.3131, 0.3354



77.9830, 0.3054, 0.3226



77.9830, 0.3197, 0.3291

Complementary

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



77.9830, 0.3131, 0.3354



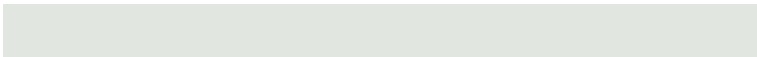
75.6781, 0.3123, 0.3227

Split Complementary

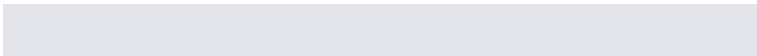
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9830, 0.3165, 0.3254



77.9830, 0.3131, 0.3354



77.9830, 0.3082, 0.3217

Square

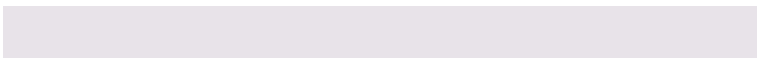
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



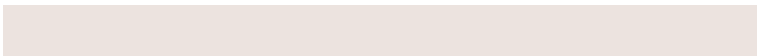
77.9830, 0.3131, 0.3354



77.9830, 0.3045, 0.3253



77.9830, 0.3123, 0.3228



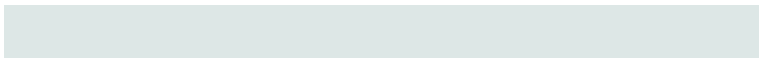
77.9830, 0.3211, 0.3327

Rectangle

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



77.9830, 0.3131, 0.3354



77.9830, 0.3066, 0.3302



77.9830, 0.3123, 0.3228



77.9830, 0.3188, 0.3278

Sweetspot

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



77.9863, 0.3131, 0.3354



99.4358, 0.3129, 0.3314



78.2483, 0.3166, 0.3343



21.2893, 0.3129, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

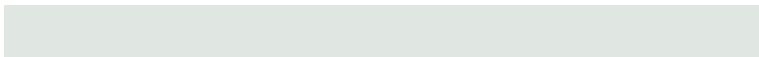
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9863, 0.3131, 0.3354



98.3272, 0.3132, 0.3364



77.9356, 0.3111, 0.3333



16.7083, 0.3133, 0.3383



32.3109, 0.3051, 0.5959



2.4223, 0.3137, 0.5891

Inverse Universe

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



75.6781, 0.3123, 0.3227



94.9756, 0.3123, 0.3217



75.7310, 0.3143, 0.3248



15.9950, 0.3121, 0.3198



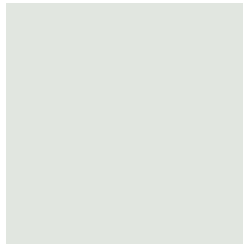
9.6098, 0.2793, 0.1312



0.7425, 0.2857, 0.1348

Previews

White Background



This preview shows how the Yxy color 77.9830, 0.3131, 0.3354 looks on a white background.

Color Contrast Check

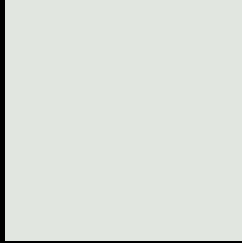
Large Text (above 18pt) WCAG AA × Fail

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 77.9830, 0.3131, 0.3354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

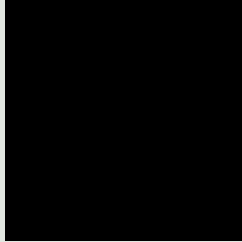
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

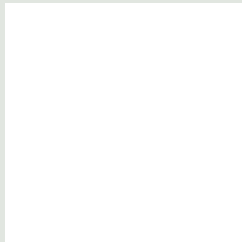
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9830, 0.3131, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 77.9830, 0.3131, 0.3354.

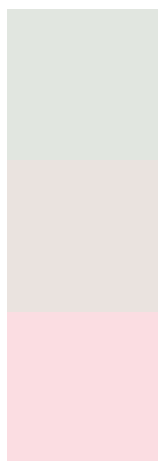


This preview shows how white text looks on a background with the Yxy color 77.9830, 0.3131, 0.3354.

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

77.9830, 0.3131, 0.3354

Protanopia

77.7583, 0.3202, 0.3332

Deuteranopia

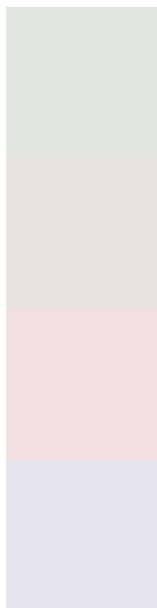
77.7131, 0.3309, 0.3240



Tritanopia

78.0247, 0.3021, 0.3103

Trichromacy



Original Color

77.9830, 0.3131, 0.3354

Protanomaly

77.8034, 0.3180, 0.3343

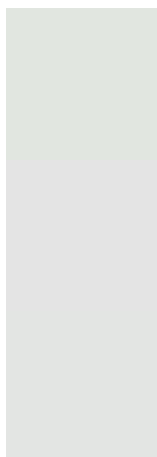
Deuteranomaly

77.6248, 0.3248, 0.3280

Tritanomaly

77.9321, 0.3063, 0.3196

Monochromacy



Original Color

77.9830, 0.3131, 0.3354

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.9156, 0.3126, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9830, 0.3131, 0.3354 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(225, 230, 224)` looks like.

```
.text, #text, p{  
    color:rgb(225, 230, 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(225, 230, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 230, 224) }
```

Border

The CSS property to change the border of an element to Yxy 77.9830, 0.3131, 0.3354 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(225, 230, 224) }
```

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

```
.border{ border-color:rgb(225, 230, 224) }
```

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

Here you see how a box with a 4 pixel rgb(225, 230, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 230, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 230, 224);  
box-shadow:4px 4px 4px 4px rgb(225, 230,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9830, 0.3131, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 230, 224) }
```

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

```
.background{ background-color: rgb(225,  
230, 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](#).

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