

Converting Colors

Yxy(81.9490, 0.3153, 0.3377)

Have a look what the booklet for
Yxy(81.9490, 0.3153, 0.3377)
contains.

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Color

Yxy(81.9516, 0.3150, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	E7EBE3
RGB	231, 235, 227
RGB Percent	91%, 92%, 89%
CMY	0.0941, 0.0784, 0.1097
CMYK	0.02, 0.00, 0.03, 0.08
HSL	90°, 17%, 91%
HSV	90°, 3%, 92%
XYZ	76.5335, 81.9516, 84.4784
YIQ	232.8920, 0.1840, -3.3360

Conversions

Conversions Part 2

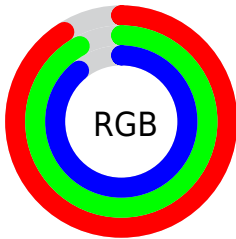
Format	Color
RYB	227, 235, 231
Decimal	15199203
CIELab	92.55, -2.74, 3.38
CIELCh	93, 4.352, 128.969
Yxy	81.9516, 0.3150, 0.3373
Android (android.graphics.Color)	4293389283 (0xFFE7EBE3)
YUV	232.8920, -2.9048, -1.6593
Hunter-Lab	90.5271, -7.5149, 8.0405

Details

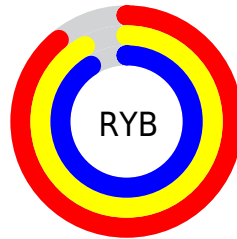
The Yxy color **81.9516, 0.3150, 0.3373** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.9456, 0.3104, 0.3207**, and the grayscale version is **81.4264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3327, 0.3149, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **78.8515, 0.3217, 0.3633**, and if you desaturate by 10%, it is **85.3675, 0.3083, 0.3136**.

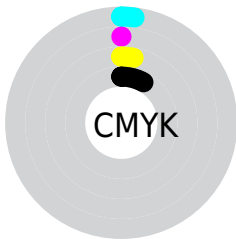
Distribution



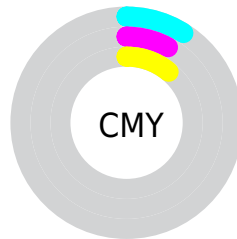
- Red (91%)
- Green (92%)
- Blue (89%)



- Red (89%)
- Yellow (92%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9516, 0.3150, 0.3373 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 81.9516, 0.3150, 0.3373 by changing the saturation by 10% instead.

81.9516, 0.3150,
0.3373

81.9516, 0.3150,
0.3373

501.4858, 0.3140,
0.3335

61.3256, 0.3152,
0.3381

136.1061, 0.3147,
0.3360

44.4880, 0.3155,
0.3392

170.4035, 0.3145,
0.3355

31.0544, 0.3159,
0.3405

210.0268, 0.3144,
0.3351

20.6402, 0.3163,
0.3422

255.3604, 0.3143,
0.3347

12.8613, 0.3169,
0.3445

306.7887, 0.3142,
0.3343

7.3331, 0.3177,
0.3477

364.6961, 0.3141,

3.6713, 0.3190,

0.3340

0.3527

429.4670, 0.3140,
0.3338

■ 1.4914, 0.3210,
0.3613

■ 0.2827, 0.3632,
0.5086

■ 81.9516, 0.3150,
0.3373

■ 81.9516, 0.3150,
0.3373

■ 78.8515, 0.3217,
0.3633

■ 85.3675, 0.3083,
0.3136

■ 76.0470, 0.3283,
0.3912

■ 87.8109, 0.3133,
0.3097

■ 73.5314, 0.3344,
0.4207

■ 87.8969, 0.3136,
0.3097

■ 71.2937, 0.3396,
0.4509

■ 69.3222, 0.3435,
0.4805

■ 67.6041, 0.3456,
0.5083

■ 66.1255, 0.3456,
0.5325

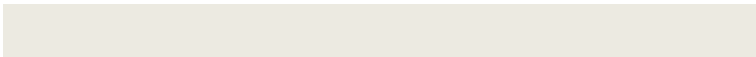
■ 64.8704, 0.3434,
0.5518

■ 63.8201, 0.3391,
0.5655

Harmonies

Analogous

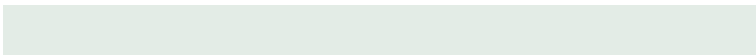
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9516, 0.3195, 0.3376



81.9516, 0.3150, 0.3373



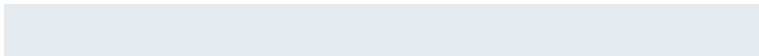
81.9516, 0.3099, 0.3347

Triad

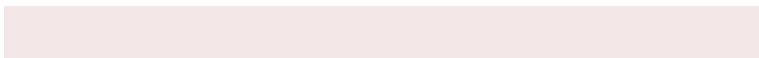
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9516, 0.3150, 0.3373



81.9516, 0.3033, 0.3223



81.9516, 0.3199, 0.3274

Complementary

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



81.9516, 0.3150, 0.3373



77.9456, 0.3104, 0.3207

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.



81.9516, 0.3155, 0.3234



81.9516, 0.3150, 0.3373



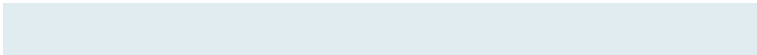
81.9516, 0.3059, 0.3205

Square

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



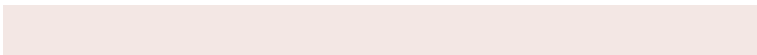
81.9516, 0.3150, 0.3373



81.9516, 0.3032, 0.3260



81.9516, 0.3104, 0.3209



81.9516, 0.3224, 0.3319

Rectangle

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



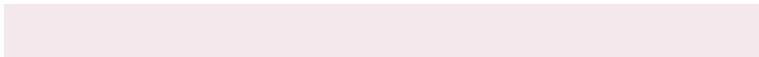
81.9516, 0.3150, 0.3373



81.9516, 0.3069, 0.3320



81.9516, 0.3104, 0.3209



81.9516, 0.3186, 0.3260

Sweetspot

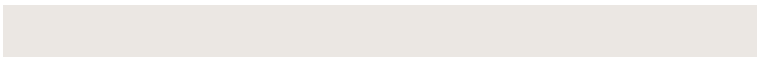
The Sweet Spot groups the original color and five complimentary colors.



81.9551, 0.3150, 0.3373



99.5955, 0.3134, 0.3314



80.3705, 0.3180, 0.3331



21.3218, 0.3134, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

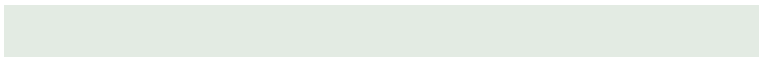
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9551, 0.3150, 0.3373



98.4044, 0.3154, 0.3389



81.3005, 0.3123, 0.3374



17.5517, 0.3159, 0.3407



35.2611, 0.3366, 0.5709



2.8260, 0.3471, 0.5626

Inverse Universe

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



77.9456, 0.3104, 0.3207



92.7108, 0.3099, 0.3191



78.6153, 0.3131, 0.3208



16.3579, 0.3094, 0.3173



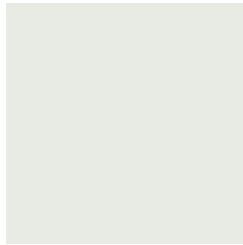
5.5454, 0.2026, 0.0890



0.4927, 0.2176, 0.0972

Previews

White Background



This preview shows how the Yxy color 81.9516, 0.3150, 0.3373 looks on a white background.

Color Contrast Check

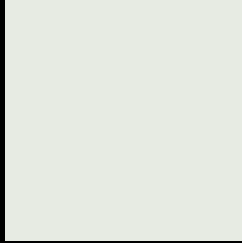
Large Text (above 18pt) WCAG AA × Fail

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 81.9516, 0.3150, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

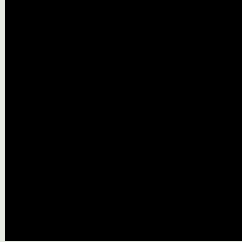
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

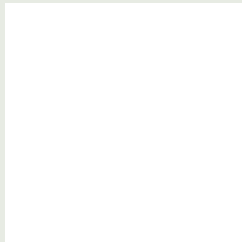
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.9516, 0.3150, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 81.9516, 0.3150, 0.3373.

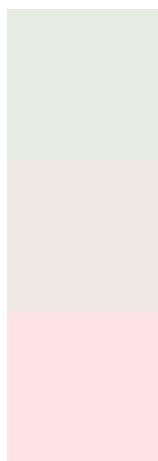


This preview shows how white text looks on a background with the Yxy color 81.9516, 0.3150, 0.3373.

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

81.9516, 0.3150, 0.3373

Protanopia

81.5549, 0.3213, 0.3352

Deuteranopia

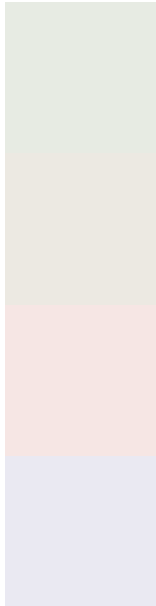
81.8553, 0.3311, 0.3271



Tritanopia

82.2775, 0.3036, 0.3108

Trichromacy



Original Color

81.9516, 0.3150, 0.3373

Protanomaly

81.6017, 0.3192, 0.3363

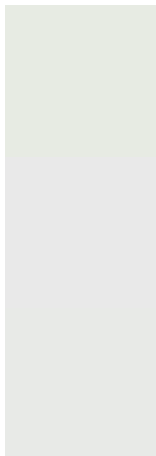
Deuteranomaly

81.7879, 0.3251, 0.3311

Tritanomaly

82.1811, 0.3078, 0.3198

Monochromacy



Original Color

81.9516, 0.3150, 0.3373

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7710, 0.3132, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9516, 0.3150, 0.3373 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, 235, 227)` looks like.

```
.text, #text, p{  
    color:rgb(231, 235, 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(231, 235, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 235, 227) }
```

Border

The CSS property to change the border of an element to Yxy 81.9516, 0.3150, 0.3373 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, 235, 227) }
```

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

```
.border{ border-color:rgb(231, 235, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 235, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 235, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 235, 227); box-shadow:4px 4px 4px 4px rgb(231, 235, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9516, 0.3150, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 235, 227) }
```

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

```
.background{ background-color: rgb(231,  
235, 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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