

Converting Colors

$Y_{xy}(82.7389, 0.3150, 0.3373)$

Have a look what the booklet for
Yxy(82.7389, 0.3150, 0.3373)
contains.

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Color

Yxy(82.7481, 0.3150, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	E8ECE4
RGB	232, 236, 228
RGB Percent	91%, 93%, 89%
CMY	0.0902, 0.0745, 0.1059
CMYK	0.02, 0.00, 0.03, 0.07
HSL	90°, 17%, 91%
HSV	90°, 3%, 93%
XYZ	77.2774, 82.7481, 85.2995
YIQ	233.8920, 0.1840, -3.3360

Conversions

Conversions Part 2

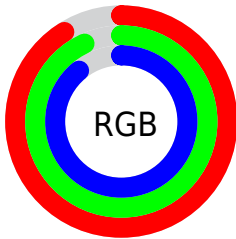
Format	Color
R _Y B	228, 236, 232
Decimal	15264996
CIE Lab	92.90, -2.75, 3.39
CIE LCh	93, 4.366, 128.969
Yxy	82.7481, 0.3150, 0.3373
Android (android.graphics.Color)	4293455076 (0xFFE8ECE4)
YUV	233.8920, -2.9048, -1.6593
Hunter-Lab	90.9660, -7.5513, 8.0795

Details

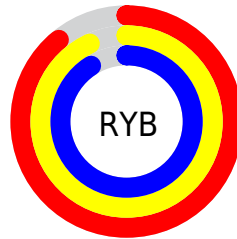
The Yxy color **82.7481, 0.3150, 0.3373** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.7032, 0.3104, 0.3207**, and the grayscale version is **82.2178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8898, 0.3149, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **79.6172, 0.3217, 0.3633**, and if you desaturate by 10%, it is **86.1981, 0.3083, 0.3136**.

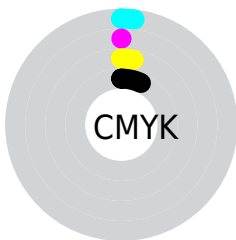
Distribution



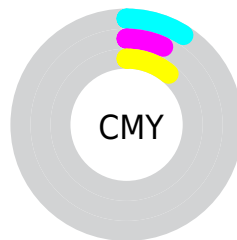
- Red (91%)
- Green (93%)
- Blue (89%)



- Red (89%)
- Yellow (93%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7481, 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 82.7481, 0.3150, 0.3373 by changing the saturation by 10% instead.

82.7481, 0.3150,
0.3373

82.7481, 0.3150,
0.3373

504.1466, 0.3140,
0.3335

61.9824, 0.3152,
0.3381

137.2226, 0.3147,
0.3360

45.0185, 0.3155,
0.3392

171.7002, 0.3145,
0.3355

31.4720, 0.3158,
0.3405

211.5171, 0.3144,
0.3351

20.9585, 0.3163,
0.3422

257.0578, 0.3143,
0.3347

13.0937, 0.3169,
0.3444

308.7068, 0.3142,
0.3343

7.4931, 0.3177,
0.3477

366.8483, 0.3141,

3.7723, 0.3189,

0.3340

431.8668, 0.3140,
0.3338

0.3526

■ 1.5470, 0.3209,
0.3610

■ 0.3215, 0.3546,
0.4779

■ 82.7481, 0.3150,
0.3373

■ 82.7481, 0.3150,
0.3373

■ 79.6172, 0.3217,
0.3633

■ 86.1981, 0.3083,
0.3136

■ 76.7849, 0.3283,
0.3913

■ 88.4744, 0.3136,
0.3107

■ 74.2443, 0.3344,
0.4207

■ 71.9846, 0.3396,
0.4509

■ 69.9937, 0.3435,
0.4806

■ 68.2589, 0.3456,
0.5083

■ 66.7659, 0.3456,
0.5325

■ 65.4987, 0.3434,
0.5519

■ 64.4383, 0.3391,
0.5655

Harmonies

Analogous

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



82.7481, 0.3195, 0.3376



82.7481, 0.3150, 0.3373



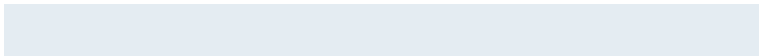
82.7481, 0.3099, 0.3347

Triad

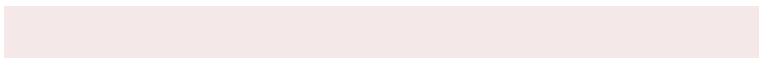
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7481, 0.3150, 0.3373



82.7481, 0.3033, 0.3223



82.7481, 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.



82.7481, 0.3150, 0.3373



78.7032, 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.



82.7481, 0.3155, 0.3234



82.7481, 0.3150, 0.3373



82.7481, 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.



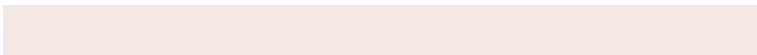
82.7481, 0.3150, 0.3373



82.7481, 0.3032, 0.3260



82.7481, 0.3104, 0.3209



82.7481, 0.3224, 0.3319

Rectangle

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



82.7481, 0.3150, 0.3373



82.7481, 0.3069, 0.3320



82.7481, 0.3104, 0.3209



82.7481, 0.3186, 0.3260

Sweetspot

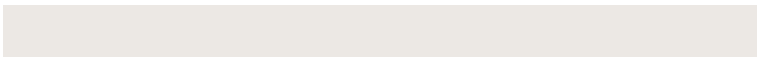
The Sweet Spot groups the original color and five complimentary colors.



82.7517, 0.3150, 0.3373



99.5955, 0.3134, 0.3314



81.1516, 0.3180, 0.3331



21.3218, 0.3134, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

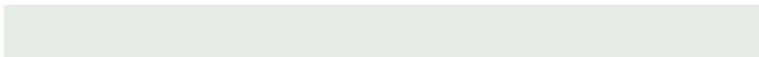
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7517, 0.3150, 0.3373



98.4044, 0.3154, 0.3389



82.0907, 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.



78.7032, 0.3104, 0.3207



92.7108, 0.3099, 0.3191



79.3794, 0.3131, 0.3208



16.3579, 0.3094, 0.3173



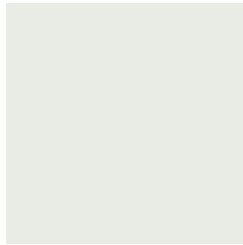
5.5454, 0.2026, 0.0890



0.4927, 0.2176, 0.0972

Previews

White Background



This preview shows how the Yxy color 82.7481, 0.3150, 0.3373 looks on a white background.

Color Contrast Check

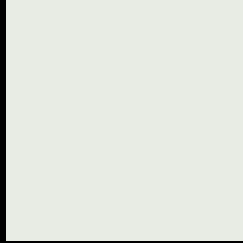
Large Text (above 18pt) WCAG AA × Fail

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 82.7481, 0.3150, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

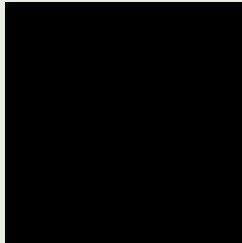
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

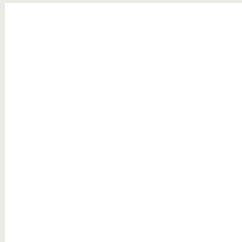
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7481, 0.3150, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 82.7481, 0.3150, 0.3373.

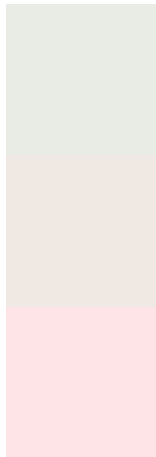


This preview shows how white text looks on a background with the Yxy color 82.7481, 0.3150, 0.3373.

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

82.7481, 0.3150, 0.3373

Protanopia

82.3491, 0.3213, 0.3352

Deuteranopia

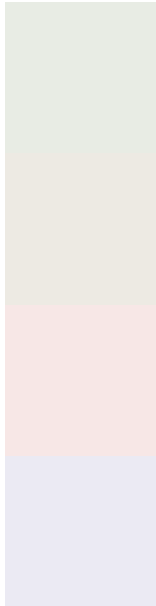
82.5163, 0.3296, 0.3261



Tritanopia

83.0757, 0.3036, 0.3109

Trichromacy



Original Color

82.7481, 0.3150, 0.3373

Protanomaly

82.3962, 0.3192, 0.3362

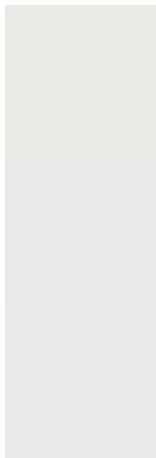
Deuteranomaly

82.6392, 0.3244, 0.3300

Tritanomaly

82.9789, 0.3078, 0.3198

Monochromacy



Original Color

82.7481, 0.3150, 0.3373

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.5665, 0.3132, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7481, 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(232, 236, 228)` looks like.

```
.text, #text, p{  
    color:rgb(232, 236, 228)  
}
```

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(232, 236, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 236, 228) }
```

Border

The CSS property to change the border of an element to Yxy 82.7481, 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(232, 236, 228) }
```

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

```
.border{ border-color:rgb(232, 236, 228) }
```

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

Here you see how a box with a 4 pixel rgb(232, 236, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 236, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 236, 228);  
box-shadow:4px 4px 4px 4px rgb(232, 236,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7481, 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(232, 236, 228) }
```

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

```
.background{ background-color: rgb(232,  
236, 228) }
```

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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