

# Converting Colors

Yxy(80.0783, 0.3104, 0.3326)

Have a look what the booklet for  
Yxy(80.0783, 0.3104, 0.3326)  
contains.

<b>Yxy(80.1037, 0.3105, 0.3332)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(80.1037, 0.3105, 0.3332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E9E5
RGB	226, 233, 229
RGB Percent	89%, 91%, 90%
CMY	0.1137, 0.0863, 0.1019
CMYK	0.03, 0.00, 0.02, 0.09
HSL	146°, 14%, 90%
HSV	146°, 3%, 91%
XYZ	74.6465, 80.1037, 85.6571
YIQ	230.4510, -2.8880, -2.7280

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 231, 233
Decimal	14871013
CIE Lab	91.73, -3.05, 1.12
CIE LCh	92, 3.246, 159.899
Yxy	80.1037, 0.3105, 0.3332
Android (android.graphics.Color)	4293061093 (0xFFE2E9E5)
YUV	230.4510, -0.7153, -3.9035
Hunter-Lab	89.5007, -7.7514, 5.9066

# Details

The Yxy color **80.1037, 0.3105, 0.3332** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.4326, 0.3150, 0.3248**, and the grayscale version is **79.4915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1582, 0.3099, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **75.8770, 0.3032, 0.3483**, and if you desaturate by 10%, it is **84.9062, 0.3179, 0.3198**.

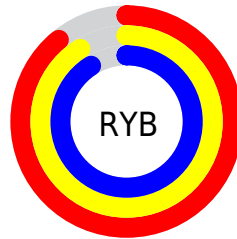
# Distribution



Red (89%)

Green (91%)

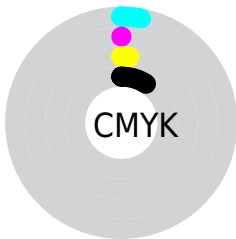
Blue (90%)



Red (89%)

Yellow (91%)

Blue (91%)

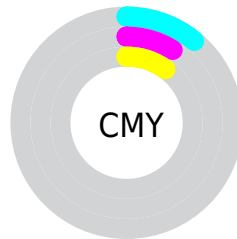


Cyan (3%)

Magenta (0%)

Yellow (2%)

Black (9%)



Cyan (11%)

Magenta (9%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1037, 0.3105, 0.3332 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 80.1037, 0.3105, 0.3332 by changing the saturation by 10% instead.



■ 80.1037, 0.3105,  
0.3332

■ 80.1037, 0.3105,  
0.3332

495.2822, 0.3115,  
0.3313

■ 59.8037, 0.3103,  
0.3336

133.5115, 0.3109,  
0.3325

■ 43.2604, 0.3100,  
0.3342

167.3881, 0.3110,  
0.3323

■ 30.0895, 0.3096,  
0.3348

206.5590, 0.3111,  
0.3321

■ 19.9065, 0.3092,  
0.3357

251.4087, 0.3112,  
0.3319

■ 12.3271, 0.3086,  
0.3369

302.3214, 0.3113,  
0.3317

■ 6.9669, 0.3077,  
0.3385

359.6817, 0.3114,

■ 3.4414, 0.3063,

0.3315

0.3411

423.8738, 0.3115,  
0.3314

■ 1.3663, 0.3039,  
0.3455

■ 0.1917, 0.2505,  
0.4456

■ 80.1037, 0.3105,  
0.3332

■ 80.1037, 0.3105,  
0.3332

■ 75.8770, 0.3032,  
0.3483

■ 84.9062, 0.3179,  
0.3198

■ 72.1939, 0.2961,  
0.3652

■ 86.7605, 0.3137,  
0.3078

■ 69.0349, 0.2895,  
0.3838

■ 66.3749, 0.2836,  
0.4041

■ 64.1870, 0.2790,  
0.4256

■ 62.4415, 0.2757,  
0.4480

■ 61.1052, 0.2743,  
0.4706

■ 60.1402, 0.2747,  
0.4926

■ 59.5005, 0.2771,  
0.5133

# Harmonies

## Analogous

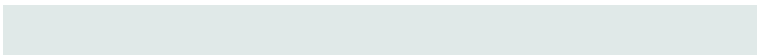
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1037, 0.3143, 0.3352



80.1037, 0.3105, 0.3332



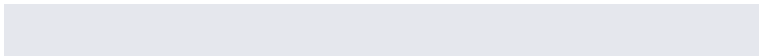
80.1037, 0.3073, 0.3301

# Triad

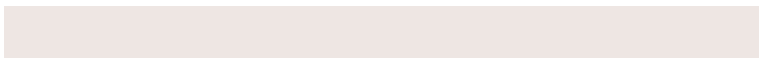
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1037, 0.3105, 0.3332



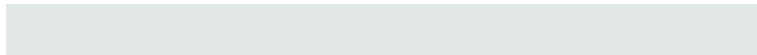
80.1037, 0.3077, 0.3226



80.1037, 0.3200, 0.3313

# Complementary

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



80.1037, 0.3105, 0.3332



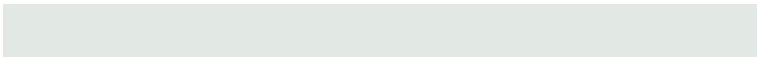
77.4326, 0.3150, 0.3248

# 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.



80.1037, 0.3182, 0.3279



80.1037, 0.3105, 0.3332



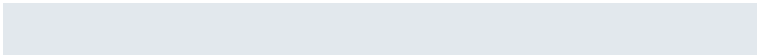
80.1037, 0.3111, 0.3229

# Square

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



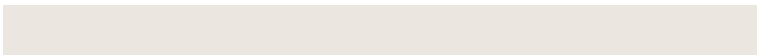
80.1037, 0.3105, 0.3332



80.1037, 0.3057, 0.3239



80.1037, 0.3149, 0.3249



80.1037, 0.3198, 0.3341



# Rectangle

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



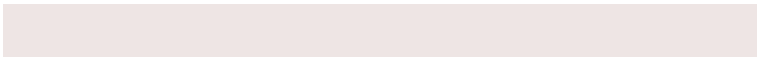
80.1037, 0.3105, 0.3332



80.1037, 0.3059, 0.3278



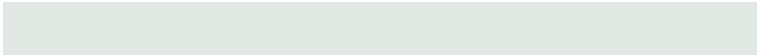
80.1037, 0.3149, 0.3249



80.1037, 0.3196, 0.3302

# Sweetspot

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



80.1071, 0.3105, 0.3332



99.4260, 0.3120, 0.3304



80.6091, 0.3151, 0.3363



21.2873, 0.3120, 0.3303



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.



80.1071, 0.3105, 0.3332



97.7467, 0.3098, 0.3347



80.3000, 0.3084, 0.3296



17.4141, 0.3092, 0.3357



33.6120, 0.2788, 0.5237



2.6583, 0.2712, 0.4964



# Inverse Universe

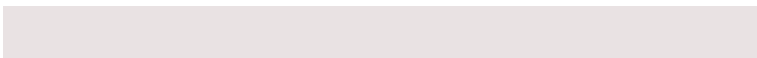
The Inverse Universe completely reimagines the original color for something new.



77.4326, 0.3150, 0.3248



93.3856, 0.3158, 0.3234



77.2424, 0.3172, 0.3284



16.4997, 0.3164, 0.3224



10.8188, 0.4655, 0.2338

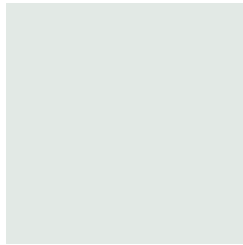


0.8687, 0.4400, 0.2197



# Previews

## White Background



This preview shows how the Yxy color 80.1037, 0.3105, 0.3332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

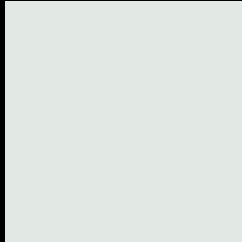
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.1037, 0.3105, 0.3332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

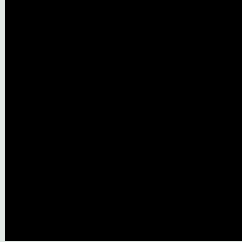
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

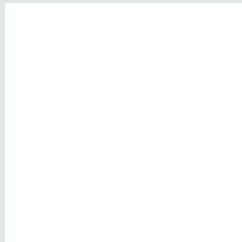
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.1037, 0.3105, 0.3332**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.1037, 0.3105, 0.3332.

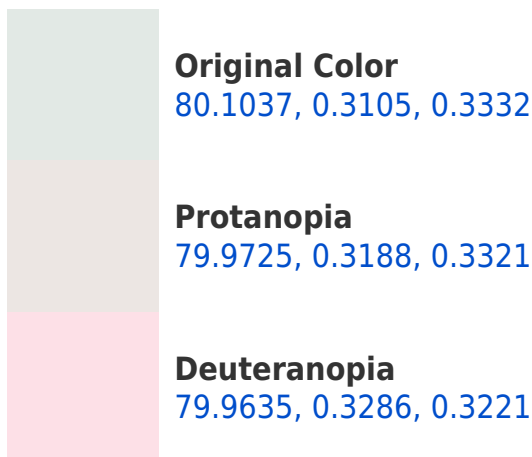


This preview shows how white text looks on a background with the Yxy color 80.1037, 0.3105, 0.3332.

# 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

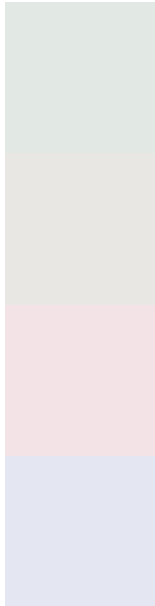




## Tritanopia

80.0290, 0.3009, 0.3105

# Trichromacy



## Original Color

80.1037, 0.3105, 0.3332

## Protanomaly

79.9091, 0.3153, 0.3321

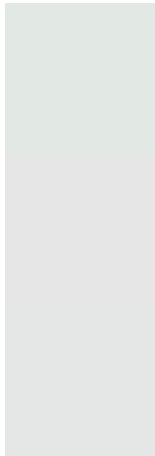
## Deuteranomaly

79.7060, 0.3219, 0.3260

## Tritanomaly

79.9967, 0.3045, 0.3186

# Monochromacy



## Original Color

80.1037, 0.3105, 0.3332

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.5230, 0.3120, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.1037, 0.3105, 0.3332 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(226, 233, 229) looks like.

```
.text, #text, p{  
    color:rgb(226, 233, 229)  
}
```

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(226, 233, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 233, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 80.1037, 0.3105, 0.3332 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(226, 233, 229) }
```

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

```
.border{ border-color:rgb(226, 233, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 233, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 233, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 233, 229);  
box-shadow:4px 4px 4px 4px rgb(226, 233,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.1037, 0.3105, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 233, 229) }
```

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

```
.background{ background-color: rgb(226,  
233, 229) }
```

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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