

Converting Colors

$Yxy(80.9823, 0.3090, 0.3354)$

Have a look what the booklet for
Yxy(80.9823, 0.3090, 0.3354)
contains.

Yxy(80.9211, 0.3091, 0.3353)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.9211, 0.3091, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	E0EBE5
RGB	224, 235, 229
RGB Percent	88%, 92%, 90%
CMY	0.1215, 0.0784, 0.1019
CMYK	0.05, 0.00, 0.03, 0.08
HSL	147°, 22%, 90%
HSV	147°, 5%, 92%
XYZ	74.5980, 80.9211, 85.8203
YIQ	231.0270, -4.6300, -4.1980

Conversions

Conversions Part 2

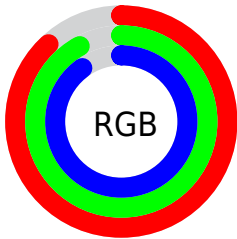
Format	Color
R _Y B	224, 232, 235
Decimal	14740453
CIE Lab	92.10, -4.72, 1.63
CIE LCh	92, 4.995, 160.978
Yxy	80.9211, 0.3091, 0.3353
Android (android.graphics.Color)	4292930533 (0xFFE0EBE5)
YUV	231.0270, -0.9993, -6.1627
Hunter-Lab	89.9562, -9.3984, 6.4053

Details

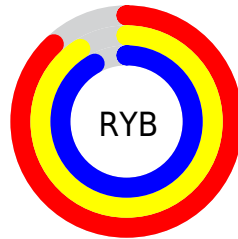
The Yxy color **80.9211, 0.3091, 0.3353** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.7016, 0.3165, 0.3228**, and the grayscale version is **79.9475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7312, 0.3081, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **76.7344, 0.3014, 0.3500**, and if you desaturate by 10%, it is **85.6866, 0.3168, 0.3222**.

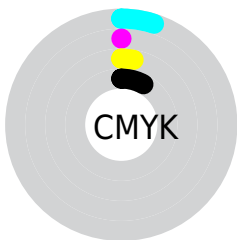
Distribution



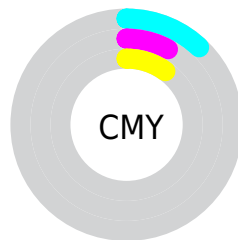
- Red (88%)
- Green (92%)
- Blue (90%)



- Red (88%)
- Yellow (91%)
- Blue (92%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (12%)
- Magenta (8%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9211, 0.3091, 0.3353 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 80.9211, 0.3091, 0.3353 by changing the saturation by 10% instead.

80.9211, 0.3091,
0.3353

80.9211, 0.3091,
0.3353

498.0316, 0.3108,
0.3324

60.4766, 0.3087,
0.3359

134.6600, 0.3097,
0.3343

43.8029, 0.3083,
0.3367

168.7232, 0.3099,
0.3339

30.5156, 0.3077,
0.3377

208.0947, 0.3101,
0.3336

20.2303, 0.3069,
0.3390

253.1590, 0.3103,
0.3333

12.5625, 0.3059,
0.3408

304.3004, 0.3104,
0.3330

7.1280, 0.3045,
0.3433

361.9034, 0.3105,

3.5423, 0.3023,

0.3328

0.3471

426.3524, 0.3106,
0.3326

■ 1.4210, 0.2985,
0.3538

■ 0.2321, 0.2211,
0.4873

■ 80.9211, 0.3091,
0.3353

■ 80.9211, 0.3091,
0.3353

■ 76.7344, 0.3014,
0.3500

■ 85.6866, 0.3168,
0.3222

■ 73.0939, 0.2941,
0.3664

■ 87.8743, 0.3138,
0.3100

■ 69.9793, 0.2873,
0.3844

■ 87.8955, 0.3136,
0.3097

■ 67.3650, 0.2814,
0.4039

■ 65.2231, 0.2767,
0.4247

■ 63.5232, 0.2735,
0.4461

■ 62.2309, 0.2722,
0.4677

■ 61.3065, 0.2729,
0.4888

■ 60.7015, 0.2755,
0.5086

Harmonies

Analogous

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



80.9211, 0.3150, 0.3385



80.9211, 0.3091, 0.3353



80.9211, 0.3043, 0.3304

Triad

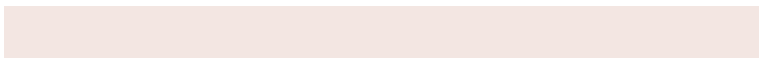
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9211, 0.3091, 0.3353



80.9211, 0.3052, 0.3191



80.9211, 0.3239, 0.3327

Complementary

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



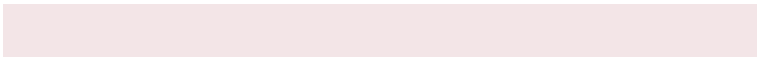
80.9211, 0.3091, 0.3353



76.7016, 0.3165, 0.3228

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.



80.9211, 0.3213, 0.3275



80.9211, 0.3091, 0.3353



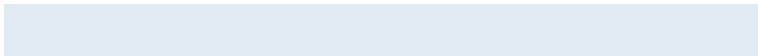
80.9211, 0.3104, 0.3198

Square

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



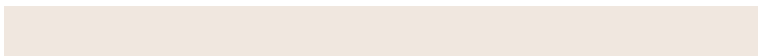
80.9211, 0.3091, 0.3353



80.9211, 0.3020, 0.3211



80.9211, 0.3163, 0.3229



80.9211, 0.3235, 0.3369

Rectangle

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



80.9211, 0.3091, 0.3353



80.9211, 0.3022, 0.3269



80.9211, 0.3163, 0.3229



80.9211, 0.3233, 0.3310

Sweetspot

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



80.9246, 0.3091, 0.3353



99.4302, 0.3119, 0.3303



81.6318, 0.3162, 0.3405



21.2882, 0.3120, 0.3303



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

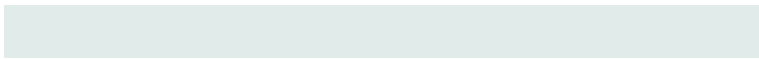
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9246, 0.3091, 0.3353



96.6863, 0.3081, 0.3372



81.2334, 0.3058, 0.3296



17.2376, 0.3076, 0.3381



33.6802, 0.2766, 0.5157



2.6639, 0.2692, 0.4889

Inverse Universe

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



76.7016, 0.3165, 0.3228



90.1844, 0.3177, 0.3209



76.4005, 0.3201, 0.3284



15.9642, 0.3182, 0.3201



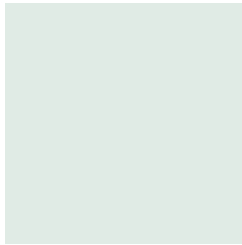
10.7280, 0.4762, 0.2397



0.8618, 0.4487, 0.2246

Previews

White Background



This preview shows how the Yxy color 80.9211, 0.3091, 0.3353 looks on a white background.

Color Contrast Check

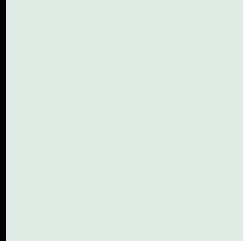
Large Text (above 18pt) WCAG AA × Fail

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 80.9211, 0.3091, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

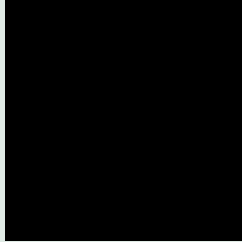
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

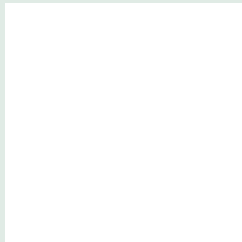
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9211, 0.3091, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 80.9211, 0.3091, 0.3353.

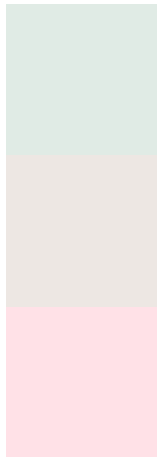


This preview shows how white text looks on a background with the Yxy color 80.9211, 0.3091, 0.3353.

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**

80.9211, 0.3091, 0.3353

Protanopia

80.7024, 0.3194, 0.3331

Deuteranopia

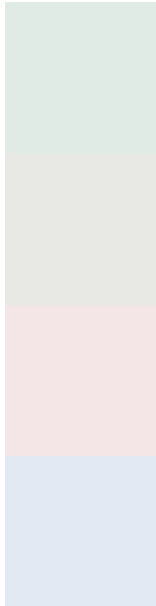
80.8799, 0.3299, 0.3231



Tritanopia

80.9462, 0.2984, 0.3105

Trichromacy



Original Color

80.9211, 0.3091, 0.3353

Protanomaly

80.4705, 0.3152, 0.3332

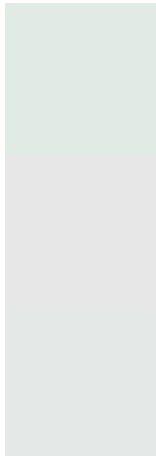
Deuteranomaly

80.9849, 0.3224, 0.3280

Tritanomaly

80.8574, 0.3025, 0.3196

Monochromacy



Original Color

80.9211, 0.3091, 0.3353

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.9204, 0.3113, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9211, 0.3091, 0.3353 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(224, 235, 229)` looks like.

```
.text, #text, p{  
    color:rgb(224, 235, 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(224, 235, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 235, 229) }
```

Border

The CSS property to change the border of an element to Yxy 80.9211, 0.3091, 0.3353 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(224, 235, 229) }
```

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

```
.border{ border-color:rgb(224, 235, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 235, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 235, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 235, 229);  
box-shadow:4px 4px 4px 4px rgb(224, 235,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9211, 0.3091, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 235, 229) }
```

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

```
.background{ background-color: rgb(224,  
235, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor