

Converting Colors

Yxy(80.7043, 0.3113, 0.3284)

Have a look what the booklet for
Yxy(80.7043, 0.3113, 0.3284)
contains.

Yxy(80.5853, 0.3114, 0.3280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(80.5853, 0.3114, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	E7E8E9
RGB	231, 232, 233
RGB Percent	91%, 91%, 91%
CMY	0.0943, 0.0901, 0.0864
CMYK	0.01, 0.00, 0.00, 0.09
HSL	208°, 4%, 91%
HSV	208°, 1%, 91%
XYZ	76.5069, 80.5853, 88.5947
YIQ	231.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

Format	Color
R_{YB}	231, 232, 233
Decimal	15198441
CIE Lab	91.95, -0.18, -0.60
CIE LCh	92, 0.625, 253.623
Yxy	80.5853, 0.3114, 0.3280
Android (android.graphics.Color)	4293388521 (0xFFE7E8E9)
YUV	231.8150, 0.5842, -0.7148
Hunter-Lab	89.7693, -4.9677, 4.3243

Details

The Yxy color **80.5853, 0.3114, 0.3280** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.7538, 0.3140, 0.3300**, and the grayscale version is **80.5437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3390, 0.3110, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **70.9370, 0.2959, 0.3157**, and if you desaturate by 10%, it is **91.1481, 0.3263, 0.3389**.

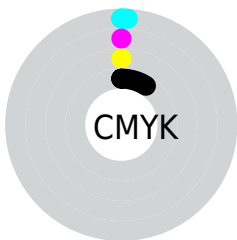
Distribution



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



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



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5853, 0.3114, 0.3280 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 80.5853, 0.3114, 0.3280 by changing the saturation by 10% instead.

■ 80.5853, 0.3114,
0.3280

■ 80.5853, 0.3114,
0.3280

496.9031, 0.3120,
0.3285

■ 60.2001, 0.3113,
0.3279

134.1883, 0.3116,
0.3282

■ 43.5800, 0.3111,
0.3278

168.1749, 0.3117,
0.3282

■ 30.3404, 0.3109,
0.3276

207.4642, 0.3118,
0.3283

■ 20.0971, 0.3106,
0.3274

252.4404, 0.3118,
0.3283

■ 12.4657, 0.3103,
0.3271

303.4880, 0.3119,
0.3284

■ 7.0616, 0.3097,
0.3267

360.9914, 0.3119,

■ 3.5007, 0.3090,

0.3284

0.3261

425.3350, 0.3120,
0.3284

■ 1.3984, 0.3076,
0.3251

■ 0.2155, 0.2895,
0.3111

■ 80.5853, 0.3114,
0.3280

■ 80.5853, 0.3114,
0.3280

■ 70.9370, 0.2959,
0.3157

■ 91.1481, 0.3263,
0.3389

■ 62.1653, 0.2798,
0.3021

■ 98.1092, 0.3257,
0.3495

■ 54.2450, 0.2636,
0.2871

■ 98.6619, 0.3256,
0.3503

■ 47.1451, 0.2474,
0.2707

■ 40.8330, 0.2319,
0.2533

■ 35.2729, 0.2174,
0.2351

■ 30.4258, 0.2044,
0.2164

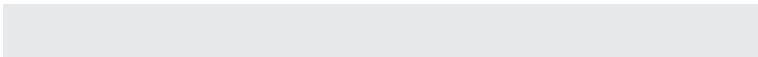
■ 26.2478, 0.1935,
0.1978

■ 22.6876, 0.1849,
0.1797

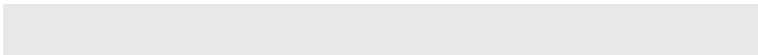
Harmonies

Analogous

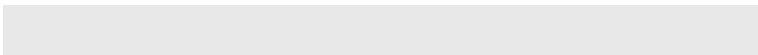
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5853, 0.3113, 0.3285



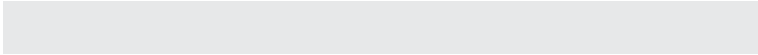
80.5853, 0.3114, 0.3280



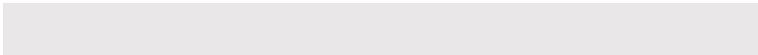
80.5853, 0.3118, 0.3278

Triad

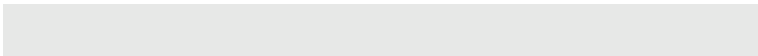
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5853, 0.3114, 0.3280



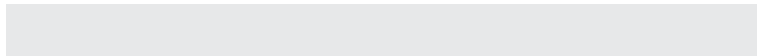
80.5853, 0.3138, 0.3289



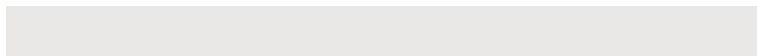
80.5853, 0.3129, 0.3302

Complementary

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



80.5853, 0.3114, 0.3280



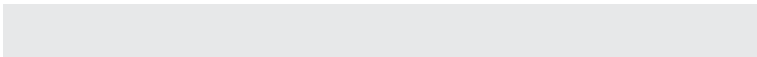
80.7538, 0.3140, 0.3300

Split Complementary

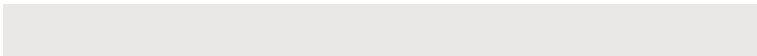
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5853, 0.3136, 0.3303



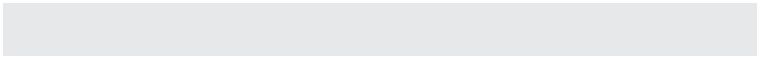
80.5853, 0.3114, 0.3280



80.5853, 0.3141, 0.3295

Square

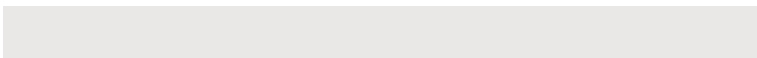
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



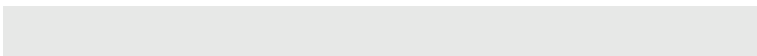
80.5853, 0.3114, 0.3280



80.5853, 0.3132, 0.3283



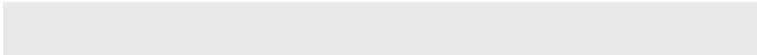
80.5853, 0.3141, 0.3300



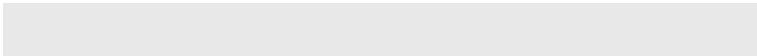
80.5853, 0.3122, 0.3298

Rectangle

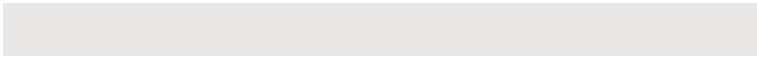
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



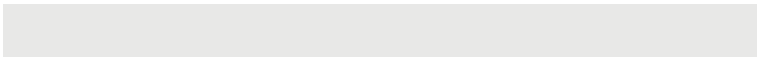
80.5853, 0.3114, 0.3280



80.5853, 0.3123, 0.3278



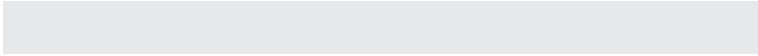
80.5853, 0.3141, 0.3300



80.5853, 0.3132, 0.3302

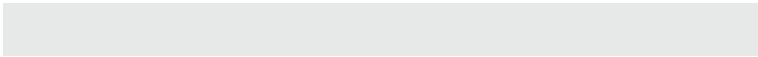
Sweetspot

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



80.5888, 0.3114, 0.3280

100.0000, 0.3127, 0.3290



81.0679, 0.3120, 0.3301



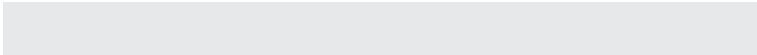
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

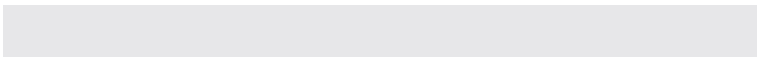
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5888, 0.3114, 0.3280



98.7499, 0.3112, 0.3278



80.0315, 0.3114, 0.3270



17.6760, 0.3113, 0.3279



11.5467, 0.1796, 0.1666



1.0992, 0.1863, 0.1907

Inverse Universe

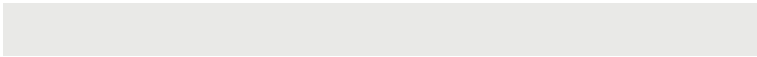
The Inverse Universe completely reimagines the original color for something new.



80.2768, 0.3134, 0.3279



98.3061, 0.3135, 0.3277



81.3140, 0.3140, 0.3310



17.6011, 0.3135, 0.3278



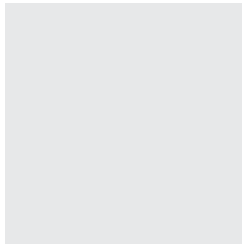
10.6585, 0.4849, 0.2445



0.8564, 0.4559, 0.2285

Previews

White Background



This preview shows how the Yxy color 80.5853, 0.3114, 0.3280 looks on a white background.

Color Contrast Check

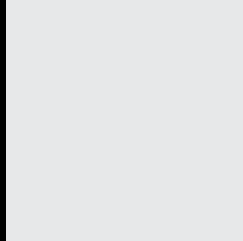
Large Text (above 18pt) WCAG AA × Fail

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 80.5853, 0.3114, 0.3280 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

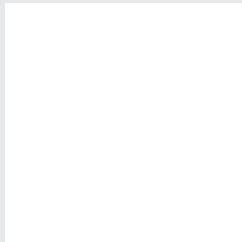
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5853, 0.3114, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 80.5853, 0.3114, 0.3280.

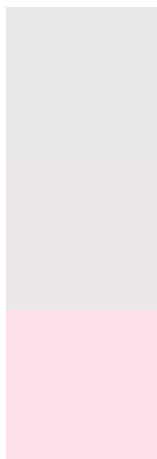


This preview shows how white text looks on a background with the Yxy color 80.5853, 0.3114, 0.3280.

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

80.5853, 0.3114, 0.3280

Protanopia

80.8109, 0.3155, 0.3280

Deuteranopia

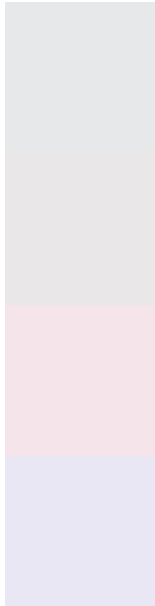
80.6736, 0.3265, 0.3201



Tritanopia

80.6946, 0.3035, 0.3106

Trichromacy



Original Color

80.5853, 0.3114, 0.3280

Protanomaly

80.4704, 0.3141, 0.3280

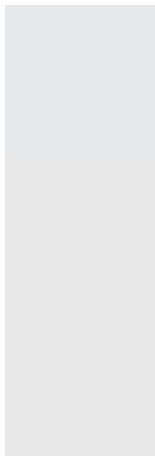
Deuteranomaly

80.8398, 0.3206, 0.3230

Tritanomaly

80.7787, 0.3059, 0.3167

Monochromacy



Original Color

80.5853, 0.3114, 0.3280

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.6952, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5853, 0.3114, 0.3280 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, 232, 233)` looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 233)  
}
```

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, 232, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 233) }
```

Border

The CSS property to change the border of an element to Yxy 80.5853, 0.3114, 0.3280 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, 232, 233) }
```

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

```
.border{ border-color:rgb(231, 232, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 232, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 232, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 232, 233);  
box-shadow:4px 4px 4px 4px rgb(231, 232,  
233) }
```

Background

The CSS property to change the background color of an element to Yxy 80.5853, 0.3114, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 232, 233) }
```

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

```
.background{ background-color: rgb(231,  
232, 233) }
```

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