

Converting Colors

$Yxy(80.3907, 0.3090, 0.3244)$

Have a look what the booklet for
Yxy(80.3907, 0.3090, 0.3244)
contains.

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Color

Yxy(80.5923, 0.3089, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	E6E8EC
RGB	230, 232, 236
RGB Percent	90%, 91%, 93%
CMY	0.0978, 0.0903, 0.0744
CMYK	0.03, 0.02, 0.00, 0.07
HSL	221°, 14%, 91%
HSV	221°, 3%, 93%
XYZ	76.6470, 80.5923, 90.8897
YIQ	231.8580, -2.4760, 0.8200

Conversions

Conversions Part 2

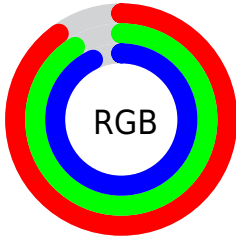
Format	Color
R _{YB}	230, 232, 236
Decimal	15132908
CIE Lab	91.95, 0.09, -2.19
CIE LCh	92, 2.195, 272.457
Yxy	80.5923, 0.3089, 0.3248
Android (android.graphics.Color)	4293322988 (0xFFE6E8EC)
YUV	231.8580, 2.0420, -1.6295
Hunter-Lab	89.7732, -4.7025, 2.8139

Details

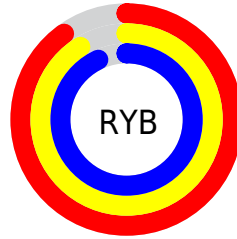
The Yxy color **80.5923, 0.3089, 0.3248** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.4565, 0.3165, 0.3332**, and the grayscale version is **80.5792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4599, 0.3086, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **68.3551, 0.2930, 0.3069**, and if you desaturate by 10%, it is **94.1840, 0.3235, 0.3407**.

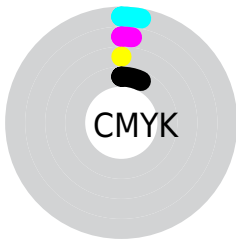
Distribution



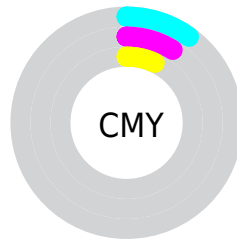
- Red (90%)
- Green (91%)
- Blue (93%)



- Red (90%)
- Yellow (91%)
- Blue (93%)



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



- Cyan (10%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5923, 0.3089, 0.3248 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 80.5923, 0.3089, 0.3248 by changing the saturation by 10% instead.

■ 80.5923, 0.3089,
0.3248

■ 80.5923, 0.3089,
0.3248

496.9267, 0.3106,
0.3267

■ 60.2059, 0.3085,
0.3244

134.1982, 0.3095,
0.3255

■ 43.5846, 0.3080,
0.3238

168.1864, 0.3097,
0.3257

■ 30.3441, 0.3074,
0.3232

207.4773, 0.3099,
0.3259

■ 20.0999, 0.3067,
0.3223

252.4554, 0.3101,
0.3261

■ 12.4677, 0.3056,
0.3212

303.5050, 0.3103,
0.3263

■ 7.0630, 0.3041,
0.3195

361.0104, 0.3104,

■ 3.5015, 0.3019,

0.3265

0.3170

425.3562, 0.3105,
0.3266

■ 1.3988, 0.2980,
0.3128

■ 0.2159, 0.2556,
0.2659

■ 80.5923, 0.3089,
0.3248

■ 80.5923, 0.3089,
0.3248

■ 68.3551, 0.2930,
0.3069

■ 94.1840, 0.3235,
0.3407

■ 57.4194, 0.2761,
0.2867

■ 98.8375, 0.3238,
0.3473

■ 47.7433, 0.2584,
0.2645

■ 39.2790, 0.2402,
0.2404

■ 31.9753, 0.2222,
0.2148

■ 25.7772, 0.2050,
0.1886

■ 20.6242, 0.1896,
0.1627

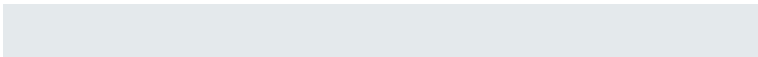
■ 16.4496, 0.1768,
0.1383

■ 13.1762, 0.1671,
0.1166

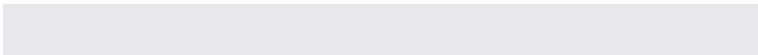
Harmonies

Analogous

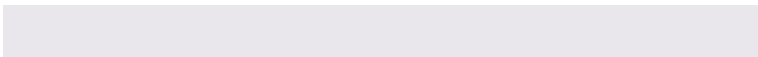
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5923, 0.3078, 0.3260



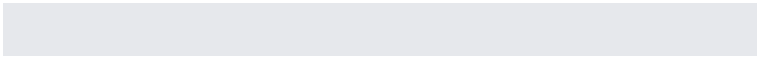
80.5923, 0.3089, 0.3248



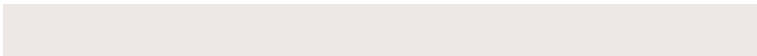
80.5923, 0.3110, 0.3247

Triad

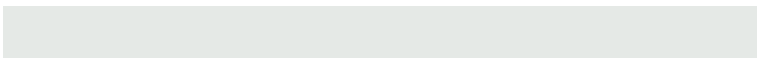
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5923, 0.3089, 0.3248



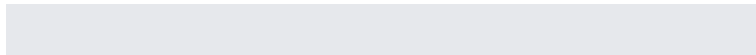
80.5923, 0.3174, 0.3300



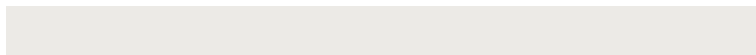
80.5923, 0.3119, 0.3323

Complementary

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



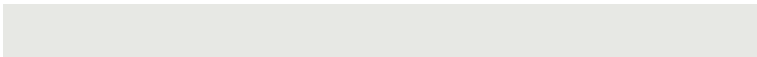
80.5923, 0.3089, 0.3248



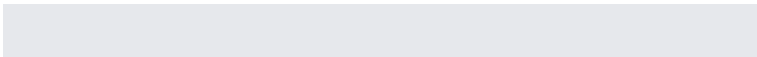
82.4565, 0.3165, 0.3332

Split Complementary

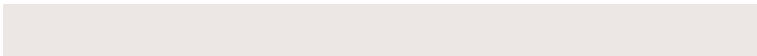
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5923, 0.3144, 0.3333



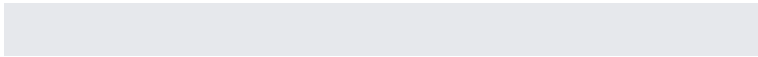
80.5923, 0.3089, 0.3248



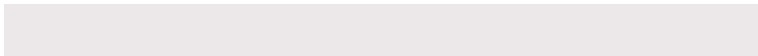
80.5923, 0.3177, 0.3320

Square

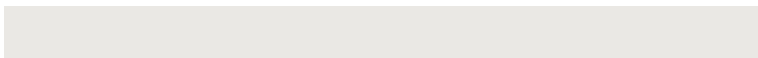
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



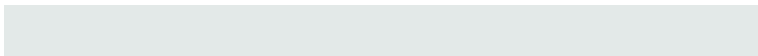
80.5923, 0.3089, 0.3248



80.5923, 0.3159, 0.3277



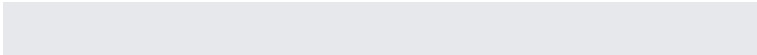
80.5923, 0.3166, 0.3333



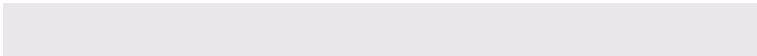
80.5923, 0.3095, 0.3303

Rectangle

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



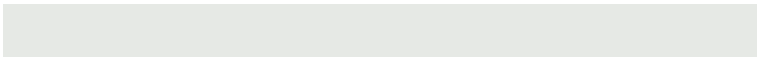
80.5923, 0.3089, 0.3248



80.5923, 0.3127, 0.3253



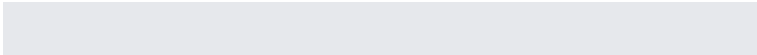
80.5923, 0.3166, 0.3333



80.5923, 0.3127, 0.3327

Sweetspot

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



80.5957, 0.3089, 0.3248



98.4223, 0.3112, 0.3273



82.7803, 0.3100, 0.3310



21.0831, 0.3113, 0.3274



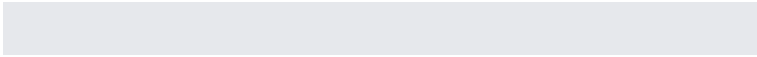
0.0000, 0.0000, 0.0000



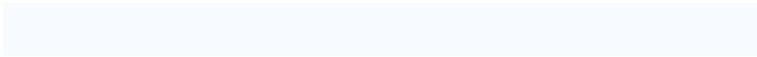
21.4041, 0.3127, 0.3290

Same Dimension

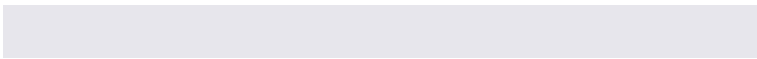
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5957, 0.3089, 0.3248



95.3158, 0.3082, 0.3240



79.6841, 0.3096, 0.3228



16.8382, 0.3070, 0.3227



6.4050, 0.1626, 0.1054



0.6716, 0.1703, 0.1330

Inverse Universe

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



80.2906, 0.3156, 0.3270



94.8865, 0.3161, 0.3266



83.3883, 0.3158, 0.3351



16.7434, 0.3171, 0.3260



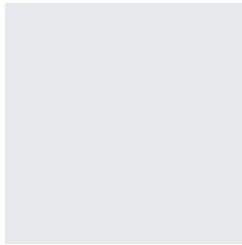
10.1394, 0.5677, 0.2901



0.8132, 0.5286, 0.2686

Previews

White Background



This preview shows how the Yxy color 80.5923, 0.3089, 0.3248 looks on a white background.

Color Contrast Check

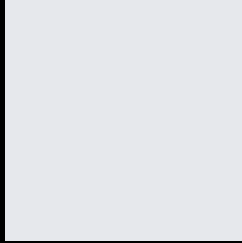
Large Text (above 18pt) WCAG AA × Fail

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 80.5923, 0.3089, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

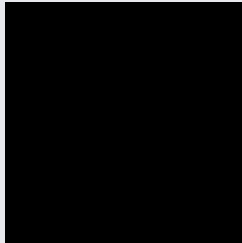
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

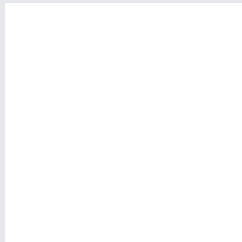
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5923, 0.3089, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 80.5923, 0.3089, 0.3248.

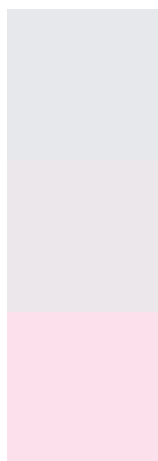


This preview shows how white text looks on a background with the Yxy color 80.5923, 0.3089, 0.3248.

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

80.5923, 0.3089, 0.3248

Protanopia

80.8122, 0.3129, 0.3249

Deuteranopia

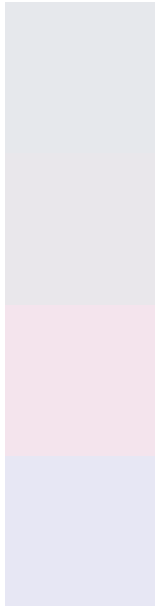
80.6603, 0.3238, 0.3171



Tritanopia

80.5267, 0.3029, 0.3106

Trichromacy



Original Color

80.5923, 0.3089, 0.3248

Protanomaly

80.4736, 0.3116, 0.3249

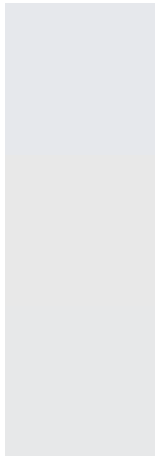
Deuteranomaly

80.8343, 0.3180, 0.3199

Tritanomaly

80.6724, 0.3046, 0.3156

Monochromacy



Original Color

80.5923, 0.3089, 0.3248

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.5853, 0.3114, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5923, 0.3089, 0.3248 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(230, 232, 236)` looks like.

```
.text, #text, p{  
    color:rgb(230, 232, 236)  
}
```

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(230, 232, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 232, 236) }
```

Border

The CSS property to change the border of an element to Yxy 80.5923, 0.3089, 0.3248 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(230, 232, 236) }
```

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

```
.border{ border-color:rgb(230, 232, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 232, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 232, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 232, 236);  
box-shadow:4px 4px 4px 4px rgb(230, 232,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5923, 0.3089, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 232, 236) }
```

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

```
.background{ background-color: rgb(230,  
232, 236) }
```

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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