

Converting Colors

$Y_{xy}(80.7522, 0.3121, 0.3280)$

Have a look what the booklet for
Yxy(80.7522, 0.3121, 0.3280)
contains.

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Color

Yxy(80.7522, 0.3121, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	E8E8E9
RGB	232, 232, 233
RGB Percent	91%, 91%, 91%
CMY	0.0902, 0.0902, 0.0864
CMYK	0.00, 0.00, 0.00, 0.09
HSL	239°, 2%, 91%
HSV	239°, 0%, 91%
XYZ	76.8377, 80.7522, 88.6058
YIQ	232.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
R_{YB}	232, 232, 233
Decimal	15263977
CIE Lab	92.02, 0.17, -0.48
CIE LCh	92, 0.509, 289.756
Yxy	80.7522, 0.3121, 0.3280
Android (android.graphics.Color)	4293454057 (0xFFE8E8E9)
YUV	232.1140, 0.4368, -0.1000
Hunter-Lab	89.8622, -4.6305, 4.4425

Details

The Yxy color **80.7522, 0.3121, 0.3280** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.3961, 0.3133, 0.3300**, and the grayscale version is **80.7828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4551, 0.3119, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **65.0757, 0.2964, 0.3025**, and if you desaturate by 10%, it is **98.5690, 0.3256, 0.3502**.

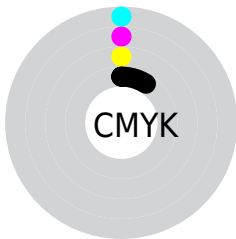
Distribution



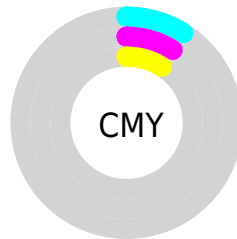
- Red (91%)
- Green (91%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7522, 0.3121, 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 80.7522, 0.3121, 0.3280 by changing the saturation by 10% instead.

■ 80.7522, 0.3121,
0.3280

■ 80.7522, 0.3121,
0.3280

497.4642, 0.3124,
0.3285

■ 60.3375, 0.3120,
0.3279

134.4228, 0.3122,
0.3282

■ 43.6908, 0.3120,
0.3278

168.4475, 0.3122,
0.3282

■ 30.4275, 0.3119,
0.3276

207.7776, 0.3123,
0.3283

■ 20.1633, 0.3117,
0.3274

252.7976, 0.3123,
0.3283

■ 12.5138, 0.3116,
0.3271

303.8919, 0.3123,
0.3284

■ 7.0946, 0.3113,
0.3267

361.4448, 0.3123,

■ 3.5213, 0.3109,

0.3284

0.3261

425.8408, 0.3124,
0.3284

■ 1.4096, 0.3103,
0.3251

■ 0.2238, 0.3022,
0.3117

■ 80.7522, 0.3121,
0.3280

■ 80.7522, 0.3121,
0.3280

■ 65.0757, 0.2964,
0.3025

■ 98.5690, 0.3256,
0.3502

■ 51.5000, 0.2786,
0.2737

■ 98.6616, 0.3256,
0.3503

■ 39.9389, 0.2590,
0.2417

■ 30.2966, 0.2380,
0.2073

■ 22.4692, 0.2165,
0.1719

■ 16.3431, 0.1959,
0.1378

■ 11.7921, 0.1777,
0.1076

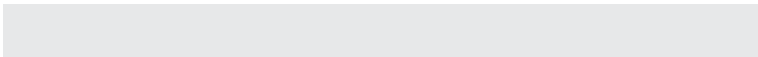
■ 8.6722, 0.1636,
0.0838

■ 6.8133, 0.1545,
0.0683

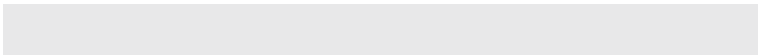
Harmonies

Analogous

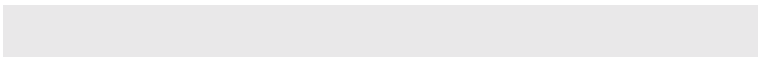
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7522, 0.3117, 0.3281



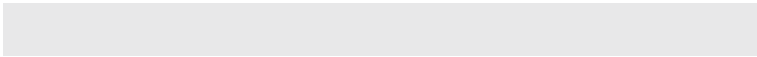
80.7522, 0.3121, 0.3280



80.7522, 0.3127, 0.3281

Triad

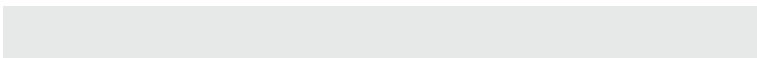
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7522, 0.3121, 0.3280



80.7522, 0.3139, 0.3295



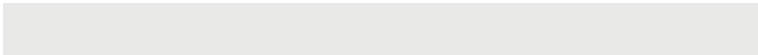
80.7522, 0.3122, 0.3295

Complementary

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



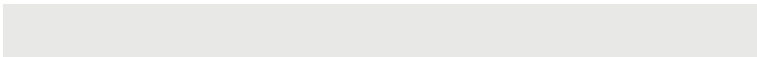
80.7522, 0.3121, 0.3280



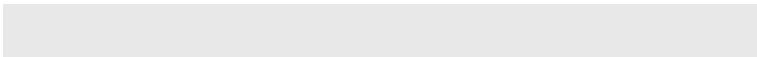
81.3961, 0.3133, 0.3300

Split Complementary

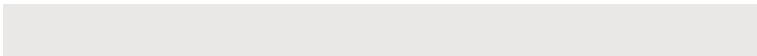
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7522, 0.3128, 0.3299



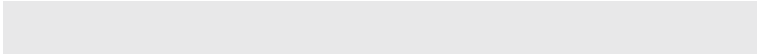
80.7522, 0.3121, 0.3280



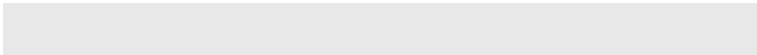
80.7522, 0.3138, 0.3299

Square

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



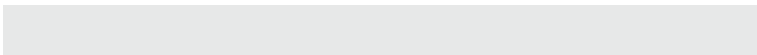
80.7522, 0.3121, 0.3280



80.7522, 0.3137, 0.3290



80.7522, 0.3134, 0.3300



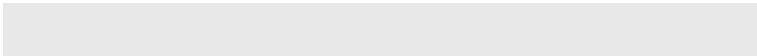
80.7522, 0.3118, 0.3290

Rectangle

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



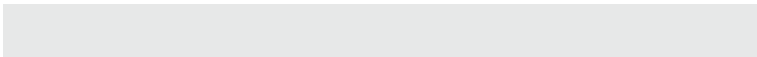
80.7522, 0.3121, 0.3280



80.7522, 0.3131, 0.3284



80.7522, 0.3134, 0.3300



80.7522, 0.3124, 0.3297

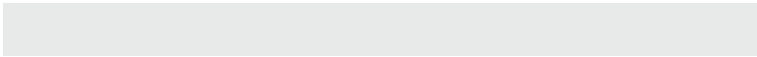
Sweetspot

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



80.7557, 0.3121, 0.3280

100.0000, 0.3127, 0.3290



81.2964, 0.3121, 0.3290



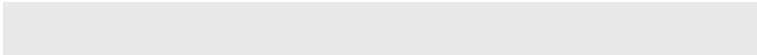
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

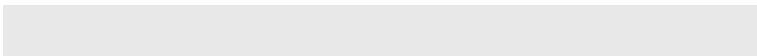
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7557, 0.3121, 0.3280



97.9346, 0.3112, 0.3266



80.8216, 0.3124, 0.3280



17.5385, 0.3113, 0.3267



3.4148, 0.1504, 0.0612



0.2848, 0.1513, 0.0646

Inverse Universe

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



80.8546, 0.3134, 0.3290



98.2238, 0.3143, 0.3290



81.3300, 0.3130, 0.3300



17.5873, 0.3142, 0.3290



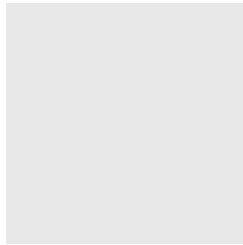
9.8375, 0.6380, 0.3288



0.7742, 0.6322, 0.3256

Previews

White Background



This preview shows how the Yxy color 80.7522, 0.3121, 0.3280 looks on a white background.

Color Contrast Check

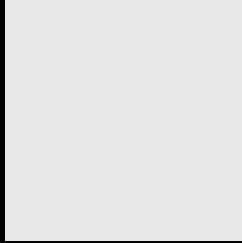
Large Text (above 18pt) WCAG AA × Fail

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 80.7522, 0.3121, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

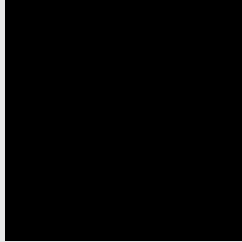
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

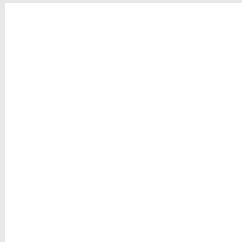
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7522, 0.3121, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 80.7522, 0.3121, 0.3280.

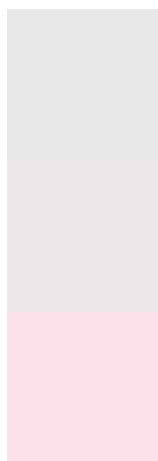


This preview shows how white text looks on a background with the Yxy color 80.7522, 0.3121, 0.3280.

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

80.7522, 0.3121, 0.3280

Protanopia

80.8109, 0.3155, 0.3280

Deuteranopia

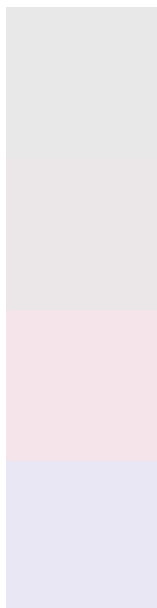
80.6736, 0.3265, 0.3201



Tritanopia

80.8634, 0.3042, 0.3107

Trichromacy



Original Color

80.7522, 0.3121, 0.3280

Protanomaly

80.6402, 0.3148, 0.3280

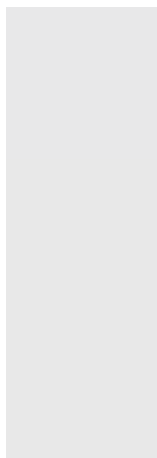
Deuteranomaly

80.8398, 0.3206, 0.3230

Tritanomaly

80.9465, 0.3066, 0.3167

Monochromacy



Original Color

80.7522, 0.3121, 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 80.7522, 0.3121, 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(232, 232, 233)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 232, 233) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 80.7522, 0.3121, 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(232, 232, 233) }
```

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

```
.border{ border-color:rgb(232, 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(232, 232, 233)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to Yxy 80.7522, 0.3121, 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(232, 232, 233) }
```

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

```
.background{ background-color: rgb(232,  
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](#).

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