

# Converting Colors

$Y_{xy}(81.8780, 0.3127, 0.3290)$

Have a look what the booklet for  
Yxy(81.8780, 0.3127, 0.3290)  
contains.

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# Color

**Yxy(82.1098, 0.3120, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9EAEA
RGB	233, 234, 234
RGB Percent	91%, 92%, 92%
CMY	0.0865, 0.0823, 0.0823
CMYK	0.00, 0.00, 0.00, 0.08
HSL	180°, 2%, 92%
HSV	180°, 0%, 92%
XYZ	77.8670, 82.1098, 89.5970
YIQ	233.7010, -0.5960, -0.2120

# Conversions

## Conversions Part 2

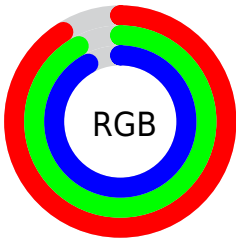
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 234, 234
Decimal	15330026
CIE Lab	92.62, -0.35, -0.13
CIE LCh	93, 0.377, 200.979
Yxy	82.1098, 0.3120, 0.3290
Android (android.graphics.Color)	4293520106 (0xFFE9EAEA)
YUV	233.7010, 0.1474, -0.6148
Hunter-Lab	90.6145, -5.1862, 4.8058

# Details

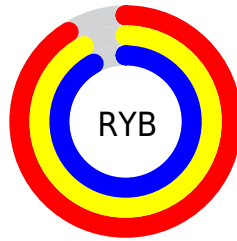
The Yxy color **82.1098, 0.3120, 0.3290** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.6248, 0.3134, 0.3290**, and the grayscale version is **82.0383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4023, 0.3118, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **78.4278, 0.2967, 0.3291**, and if you desaturate by 10%, it is **86.0641, 0.3269, 0.3290**.

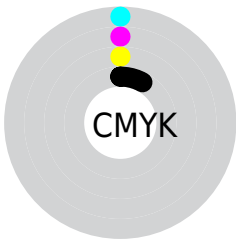
# Distribution



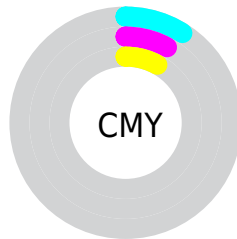
- Red (91%)
- Green (92%)
- Blue (92%)



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



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




- Cyan (9%)
- Magenta (8%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1098, 0.3120, 0.3290 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 82.1098, 0.3120, 0.3290 by changing the saturation by 10% instead.




 82.1098, 0.3120,  
0.3290

 82.1098, 0.3120,  
0.3290


502.0149, 0.3123,  
0.3290

 61.4560, 0.3119,  
0.3290


136.3280, 0.3121,  
0.3290

 44.5933, 0.3118,  
0.3290


170.6612, 0.3122,  
0.3290

 31.1372, 0.3117,  
0.3290


210.3230, 0.3122,  
0.3290

 20.7034, 0.3116,  
0.3290

255.6978, 0.3122,  
0.3290

 12.9073, 0.3114,  
0.3290

307.1700, 0.3123,  
0.3290

 7.3648, 0.3111,  
0.3290

365.1240, 0.3123,

 3.6913, 0.3107,

0.3290

0.3290

429.9441, 0.3123,  
0.3290

■ 1.5024, 0.3100,  
0.3289

■ 0.2904, 0.3027,  
0.3287

■ 82.1098, 0.3120,  
0.3290

■ 82.1098, 0.3120,  
0.3290

■ 78.4278, 0.2967,  
0.3291

■ 86.0641, 0.3269,  
0.3290

■ 75.2442, 0.2823,  
0.3291

■ 86.0698, 0.3269,  
0.3289

■ 72.5406, 0.2691,  
0.3292

■ 86.0755, 0.3268,  
0.3288

■ 70.2939, 0.2573,  
0.3293

■ 86.0812, 0.3267,  
0.3287

 68.4787, 0.2473,  
0.3294


 86.0870, 0.3267,  
0.3286


 67.0673, 0.2391,  
0.3295


 86.0927, 0.3266,  
0.3285


 66.0287, 0.2329,  
0.3297

 86.0984, 0.3265,  
0.3284

 65.3275, 0.2286,  
0.3298

 86.1041, 0.3265,  
0.3283

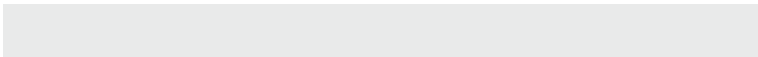
 64.9215, 0.2261,  
0.3299

 86.1099, 0.3264,  
0.3282

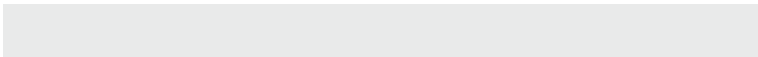
# Harmonies

## Analogous

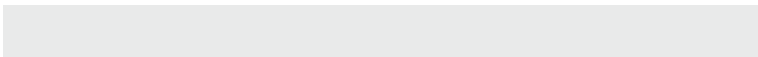
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1098, 0.3123, 0.3294



82.1098, 0.3120, 0.3290



82.1098, 0.3119, 0.3286

# Triad

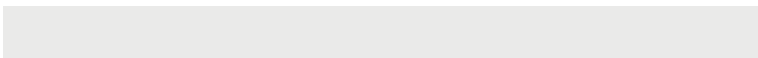
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1098, 0.3120, 0.3290



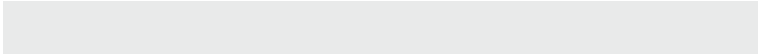
82.1098, 0.3127, 0.3284



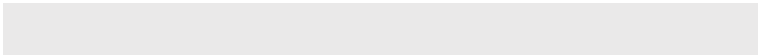
82.1098, 0.3135, 0.3297

# Complementary

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



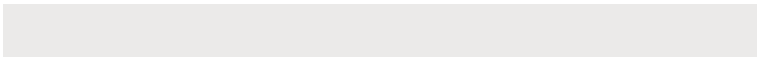
82.1098, 0.3120, 0.3290



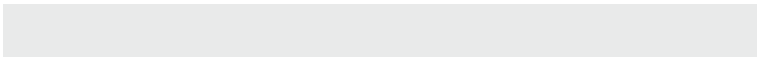
81.6248, 0.3134, 0.3290

# 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.



82.1098, 0.3136, 0.3294



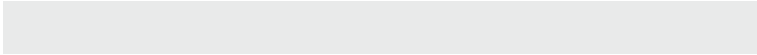
82.1098, 0.3120, 0.3290



82.1098, 0.3131, 0.3287

# Square

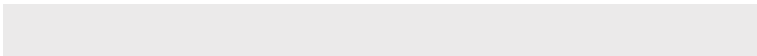
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



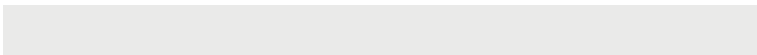
82.1098, 0.3120, 0.3290



82.1098, 0.3123, 0.3283



82.1098, 0.3135, 0.3290

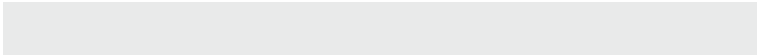


82.1098, 0.3132, 0.3298

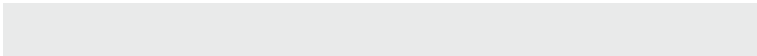


# Rectangle

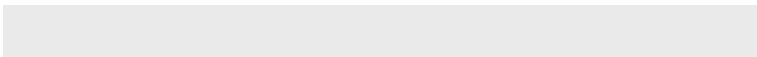
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



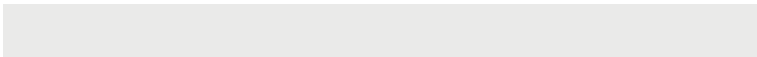
82.1098, 0.3120, 0.3290



82.1098, 0.3119, 0.3284



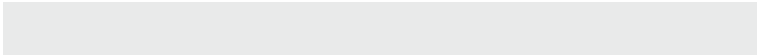
82.1098, 0.3135, 0.3290



82.1098, 0.3135, 0.3296

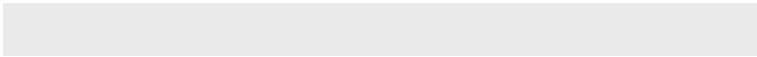
# Sweetspot

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



82.1133, 0.3120, 0.3290

100.0000, 0.3127, 0.3290



82.0552, 0.3127, 0.3301



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

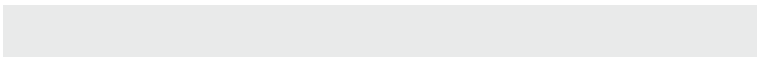
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1133, 0.3120, 0.3290



99.5189, 0.3111, 0.3290



81.8190, 0.3120, 0.3285



17.8056, 0.3112, 0.3290



36.3749, 0.2250, 0.3300



2.8567, 0.2250, 0.3298



# Inverse Universe

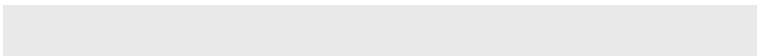
The Inverse Universe completely reimagines the original color for something new.



81.6248, 0.3134, 0.3290



98.2213, 0.3143, 0.3290



81.9182, 0.3134, 0.3295



17.5868, 0.3142, 0.3290



9.8315, 0.6396, 0.3297

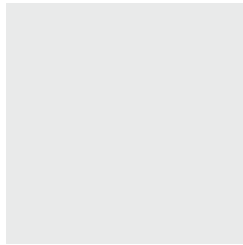


0.7724, 0.6383, 0.3290



# Previews

## White Background



This preview shows how the Yxy color 82.1098, 0.3120, 0.3290 looks on a white background.

## Color Contrast Check

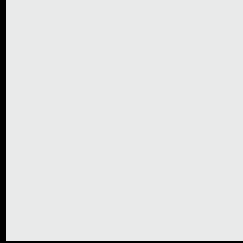
Large Text (above 18pt) WCAG AA × Fail

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 82.1098, 0.3120, 0.3290 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

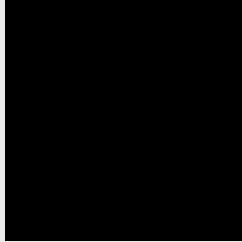
Any Text WCAG AAA ✓ Pass

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

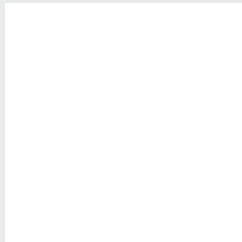


**Yxy 82.1098, 0.3120, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1098, 0.3120, 0.3290.

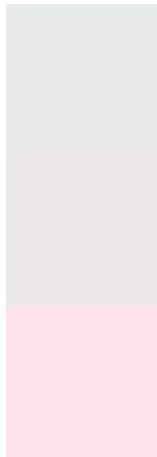


This preview shows how white text looks on a background with the Yxy color 82.1098, 0.3120, 0.3290.

# 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

82.1098, 0.3120, 0.3290

### Protanopia

82.3382, 0.3161, 0.3290

### Deuteranopia

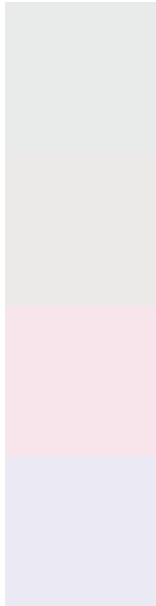
81.7088, 0.3265, 0.3192



## Tritanopia

82.2775, 0.3036, 0.3108

# Trichromacy



## Original Color

82.1098, 0.3120, 0.3290

## Protanomaly

81.9939, 0.3147, 0.3290

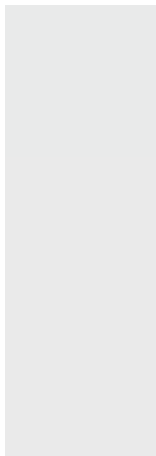
## Deuteranomaly

81.8109, 0.3213, 0.3230

## Tritanomaly

82.3019, 0.3066, 0.3178

# Monochromacy



## Original Color

82.1098, 0.3120, 0.3290

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.2786, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1098, 0.3120, 0.3290 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(233, 234, 234)` looks like.

```
.text, #text, p{  
    color:rgb(233, 234, 234)  
}
```

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(233, 234, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 234, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1098, 0.3120, 0.3290 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(233, 234, 234) }
```

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

```
.border{ border-color:rgb(233, 234, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 234, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 234, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 234, 234);  
box-shadow:4px 4px 4px 4px rgb(233, 234,  
234) }
```

# Background

The CSS property to change the background color of an element to Yxy 82.1098, 0.3120, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 234, 234) }
```

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

```
.background{ background-color: rgb(233,  
234, 234) }
```

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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