

# Converting Colors

$Yxy(76.2697, 0.3083, 0.3242)$

Have a look what the booklet for  
Yxy(76.2697, 0.3083, 0.3242)  
contains.

<b>Yxy(76.0095, 0.3081, 0.3237)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(76.0095, 0.3081, 0.3237)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0E2E7
RGB	224, 226, 231
RGB Percent	88%, 89%, 91%
CMY	0.1218, 0.1136, 0.0941
CMYK	0.03, 0.02, 0.00, 0.09
HSL	222°, 13%, 89%
HSV	222°, 3%, 91%
XYZ	72.3464, 76.0095, 86.4588
YIQ	225.9720, -2.7970, 1.1310

# Conversions

## Conversions Part 2

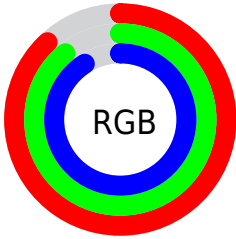
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 226, 231
Decimal	14738151
CIE Lab	89.86, 0.21, -2.68
CIE LCh	90, 2.687, 274.566
Yxy	76.0095, 0.3081, 0.3237
Android (android.graphics.Color)	4292928231 (0xFFE0E2E7)
YUV	225.9720, 2.4788, -1.7294
Hunter-Lab	87.1834, -4.4485, 2.2312

# Details

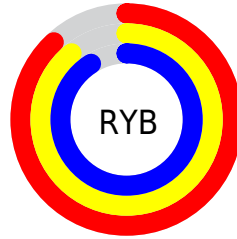
The Yxy color `76.0095, 0.3081, 0.3237` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78.3605, 0.3173, 0.3342`, and the grayscale version is `76.0114, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `40.6560, 0.3076, 0.3235` is the 20% darker color. If you saturate the color by 10%, you get `64.1293, 0.2922, 0.3049`, and if you desaturate by 10%, it is `89.2387, 0.3228, 0.3403`.

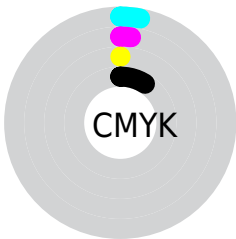
# Distribution



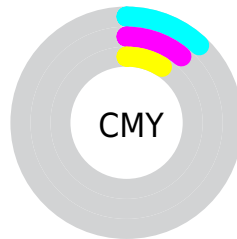
- Red (88%)
- Green (89%)
- Blue (91%)



- Red (88%)
- Yellow (89%)
- Blue (91%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (12%)
- Magenta (11%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0095, 0.3081, 0.3237 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 76.0095, 0.3081, 0.3237 by changing the saturation by 10% instead.



■ 76.0095, 0.3081,  
0.3237

■ 76.0095, 0.3081,  
0.3237

481.3802, 0.3102,  
0.3261

■ 56.4403, 0.3076,  
0.3231

127.7403, 0.3088,  
0.3245

■ 40.5560, 0.3070,  
0.3225

160.6708, 0.3091,  
0.3249

■ 27.9724, 0.3063,  
0.3216

198.8237, 0.3094,  
0.3252

■ 18.3048, 0.3053,  
0.3205

242.5836, 0.3096,  
0.3254

■ 11.1691, 0.3040,  
0.3190

292.3348, 0.3098,  
0.3256

■ 6.1807, 0.3021,  
0.3168

348.4617, 0.3099,

■ 2.9552, 0.2991,

0.3258

0.3134

411.3487, 0.3101,  
0.3260

■ 1.1084, 0.2939,  
0.3074

■ 0.0000, 0.0000,  
0.0000

■ 76.0095, 0.3081,  
0.3237

■ 76.0095, 0.3081,  
0.3237

■ 64.1293, 0.2922,  
0.3049

■ 89.2387, 0.3228,  
0.3403

■ 53.5450, 0.2751,  
0.2838

■ 98.5495, 0.3268,  
0.3522

■ 44.2140, 0.2571,  
0.2606

■ 36.0878, 0.2387,  
0.2354

■ 29.1144, 0.2204,  
0.2088

■ 23.2378, 0.2030,  
0.1817

■ 18.3968, 0.1874,  
0.1551

■ 14.5233, 0.1745,  
0.1305

■ 11.5390, 0.1649,  
0.1089

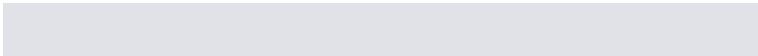
# Harmonies

## Analogous

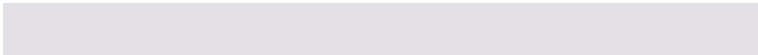
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0095, 0.3066, 0.3251



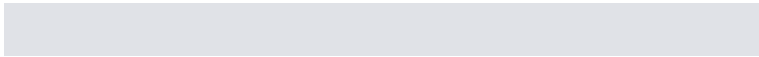
76.0095, 0.3081, 0.3237



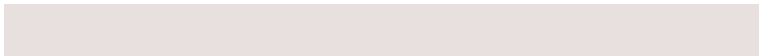
76.0095, 0.3108, 0.3237

# Triad

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



76.0095, 0.3081, 0.3237



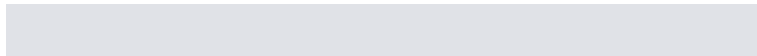
76.0095, 0.3187, 0.3305



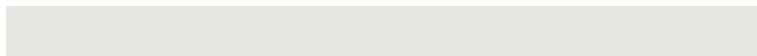
76.0095, 0.3114, 0.3329

# Complementary

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



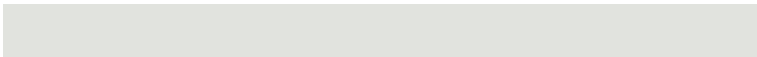
76.0095, 0.3081, 0.3237



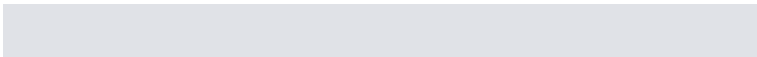
78.3605, 0.3173, 0.3342

# 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.



76.0095, 0.3146, 0.3344



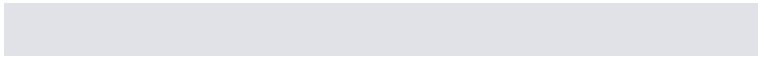
76.0095, 0.3081, 0.3237



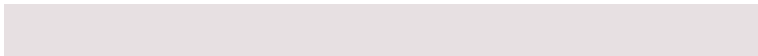
76.0095, 0.3188, 0.3329

# Square

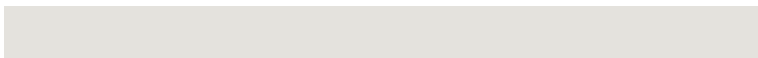
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



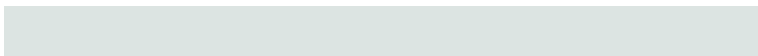
76.0095, 0.3081, 0.3237



76.0095, 0.3169, 0.3276



76.0095, 0.3174, 0.3344



76.0095, 0.3086, 0.3304



# Rectangle

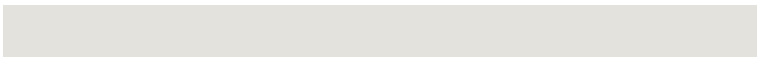
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.0095, 0.3081, 0.3237



76.0095, 0.3129, 0.3246



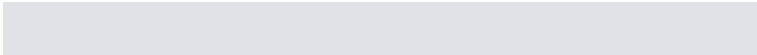
76.0095, 0.3174, 0.3344



76.0095, 0.3125, 0.3336

# Sweetspot

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



76.0127, 0.3081, 0.3237



98.3780, 0.3112, 0.3273



78.6404, 0.3093, 0.3312



21.0740, 0.3113, 0.3274



0.0000, 0.0000, 0.0000

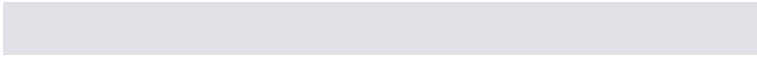


21.4041, 0.3127, 0.3290



# Same Dimension

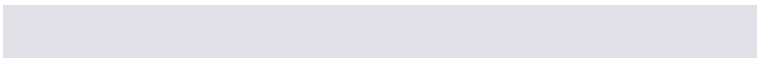
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0127, 0.3081, 0.3237



93.6142, 0.3066, 0.3220



75.1130, 0.3091, 0.3215



15.7887, 0.3055, 0.3207



5.7503, 0.1608, 0.0990



0.5820, 0.1688, 0.1278



# Inverse Universe

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



75.7605, 0.3163, 0.3268



93.2094, 0.3175, 0.3261



79.2857, 0.3162, 0.3364



15.7091, 0.3184, 0.3256



9.7782, 0.5774, 0.2954

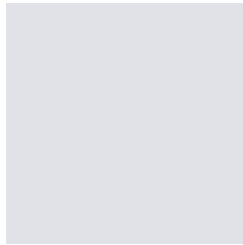


0.7384, 0.5357, 0.2725



# Previews

## White Background



This preview shows how the Yxy color 76.0095, 0.3081, 0.3237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

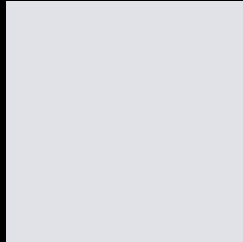
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.0095, 0.3081, 0.3237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

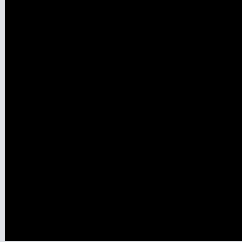
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

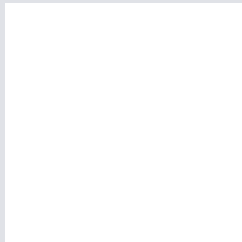
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.0095, 0.3081, 0.3237**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0095, 0.3081, 0.3237.

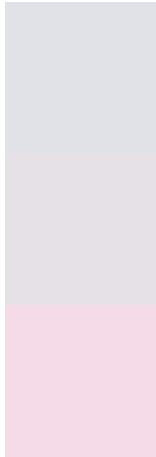


This preview shows how white text looks on a background with the Yxy color 76.0095, 0.3081, 0.3237.

# 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

76.0095, 0.3081, 0.3237

### Protanopia

76.2216, 0.3123, 0.3237

### Deuteranopia

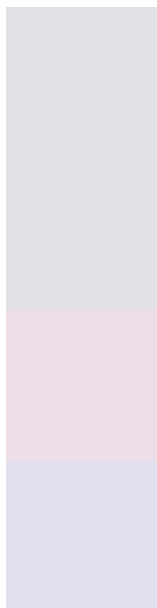
75.9017, 0.3227, 0.3158



## Tritanopia

75.8909, 0.3026, 0.3102

# Trichromacy



## Original Color

76.0095, 0.3081, 0.3237

## Protanomaly

75.8945, 0.3109, 0.3237

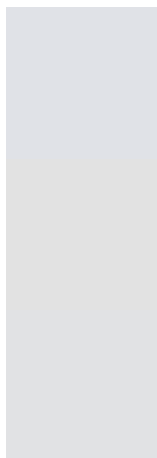
## Deuteranomaly

76.0733, 0.3167, 0.3187

## Tritanomaly

76.0310, 0.3044, 0.3153

# Monochromacy



## Original Color

76.0095, 0.3081, 0.3237

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

76.0017, 0.3107, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0095, 0.3081, 0.3237 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, 226, 231)` looks like.

```
.text, #text, p{  
    color:rgb(224, 226, 231)  
}
```

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, 226, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 226, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0095, 0.3081, 0.3237 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, 226, 231) }
```

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

```
.border{ border-color:rgb(224, 226, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 226, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 226, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 226, 231);  
box-shadow:4px 4px 4px 4px rgb(224, 226,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0095, 0.3081, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 226, 231) }
```

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

```
.background{ background-color: rgb(224,  
226, 231) }
```

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