

# Converting Colors

XYZ(75.8486, 76.7294, 90.1817)

Have a look what the booklet for  
XYZ(75.8486, 76.7294, 90.1817)  
contains.

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# Color

**XYZ(76.0569, 77.0296,  
90.2165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE0EC
RGB	235, 224, 236
RGB Percent	92%, 88%, 93%
CMY	0.0784, 0.1215, 0.0745
CMYK	0.00, 0.05, 0.00, 0.07
HSL	295°, 24%, 90%
HSV	295°, 5%, 93%
XYZ	76.0569, 77.0296, 90.2165
YIQ	228.6570, 2.7040, 6.0640

# Conversions

## Conversions Part 2

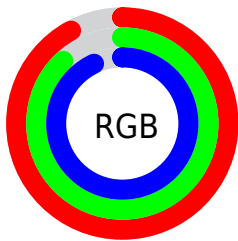
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 224, 236
Decimal	15458540
CIE Lab	90.34, 5.86, -4.51
CIE LCh	90, 7.392, 322.396
Yxy	77.0296, 0.3126, 0.3166
Android (android.graphics.Color)	4293648620 (0xFFEBE0EC)
YUV	228.6570, 3.6201, 5.5628
Hunter-Lab	87.7665, 1.0935, 0.4915

# Details

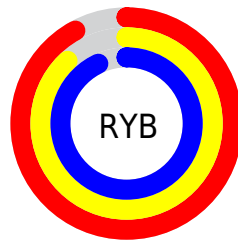
The XYZ color **76.0569, 77.0296, 90.2165** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.5043, 81.3824, 82.3065**, and the grayscale version is **74.1989, 78.0631, 85.0107**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0166, 41.2549, 48.9812** is the 20% darker color. If you saturate the color by 10%, you get **69.5042, 64.8821, 88.2183**, and if you desaturate by 10%, it is **83.5016, 90.9480, 92.5118**.

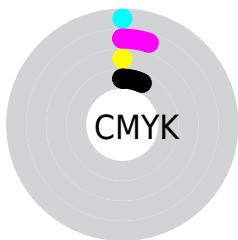
# Distribution



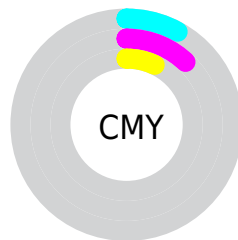
- Red (92%)
- Green (88%)
- Blue (93%)



- Red (92%)
- Yellow (88%)
- Blue (93%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (12%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0569, 77.0296, 90.2165 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 XYZ color 76.0569, 77.0296, 90.2165 by changing the saturation by 10% instead.



76.0569, 77.0296,  
90.2165

76.0569, 77.0296,  
90.2165

470.4839,  
484.8649, 549.3231

56.7764, 57.2772,  
67.5855

126.7873,  
129.1813, 149.5772

41.0652, 41.2278,  
49.0960

158.9678,  
162.3493, 187.1440

28.5579, 28.4971,  
34.3295

196.1791,  
200.7580, 230.5265

18.8892, 18.7007,  
22.8674

238.7865,  
244.7917, 280.1432

11.6938, 11.4542,  
14.2913

287.1553,  
294.8348, 336.4127

6.6062, 6.3732,  
8.1825

341.6509,

3.2612, 3.0733,

351.2719, 399.7535

4.1225

402.6386,  
414.4871, 470.5841

■ 1.2934, 1.1701,  
1.6928

■ 0.1782, 0.0371,  
0.3558

■ 76.0569, 77.0296,  
90.2165

■ 76.0569, 77.0296,  
90.2165

■ 69.5042, 64.8821,  
88.2183

■ 83.5016, 90.9480,  
92.5118

■ 63.8006, 54.4236,  
86.5002

■ 86.4758, 95.9159,  
93.3139

■ 58.9100, 45.5801,  
85.0510

■ 87.1435, 96.2601,  
93.3452

■ 54.7906, 38.2688,  
83.8569

■ 87.8185, 96.6081,  
93.3768

51.3974, 32.3991,  
82.9028

88.5007, 96.9598,  
93.4087

48.6803, 27.8711,  
82.1720

89.1903, 97.3153,  
93.4410

46.5828, 24.5721,  
81.6458

89.8872, 97.6746,  
93.4736

45.0395, 22.3709,  
81.3022

90.5914, 98.0376,  
93.5066

43.9697, 21.1063,  
81.1145

91.3030, 98.4044,  
93.5399

# Harmonies

## Analogous

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



74.5724, 77.0296, 93.6065



76.0569, 77.0296, 90.2165



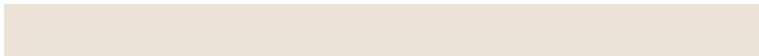
76.7821, 77.0296, 85.2218

# Triad

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



76.0569, 77.0296, 90.2165



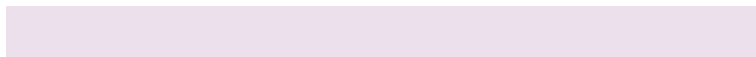
73.6841, 77.0296, 74.2124



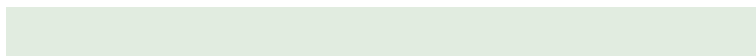
69.9876, 77.0296, 87.7974

# Complementary

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



76.0569, 77.0296, 90.2165



74.5043, 81.3824, 82.3065

# 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.



69.7588, 77.0296, 82.5368



76.0569, 77.0296, 90.2165



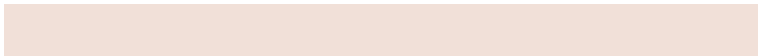
71.8729, 77.0296, 74.8372

# Square

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



76.0569, 77.0296, 90.2165



75.3973, 77.0296, 76.0884



70.4435, 77.0296, 77.8324



71.0739, 77.0296, 92.1694



# Rectangle

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



76.0569, 77.0296, 90.2165



76.7291, 77.0296, 81.7130



70.4435, 77.0296, 77.8324



69.8086, 77.0296, 86.0690

# Sweetspot

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



76.0591, 77.0329, 90.2182



93.2883, 96.7085, 108.3575



72.8634, 75.8658, 90.1613



19.9860, 20.7341, 23.1987



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



76.0591, 77.0329, 90.2182



89.8941, 90.3826, 107.3154



75.7023, 76.9284, 86.6106



15.9912, 16.0030, 19.1683



24.0622, 11.4404, 44.6830



1.9261, 0.9172, 3.5104



# Inverse Universe

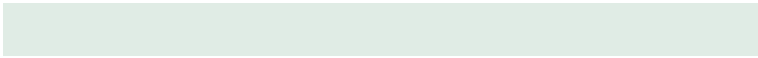
The Inverse Universe completely reimagines the original color for something new.



74.8411, 76.5840, 82.0759



88.1854, 89.7531, 95.8762



74.8536, 81.4862, 85.7685



15.6568, 15.8799, 16.9272



19.1547, 9.8646, 1.3500

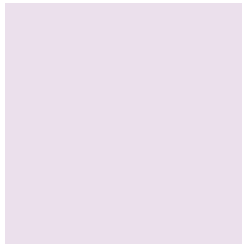


1.5217, 0.7817, 0.1989



# Previews

## White Background



This preview shows how the XYZ color 76.0569, 77.0296, 90.2165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

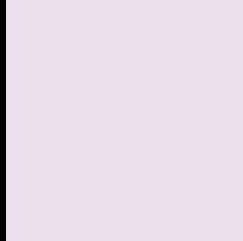
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0569, 77.0296, 90.2165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

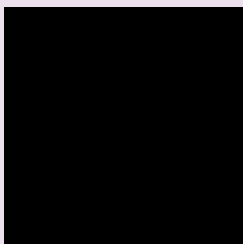
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

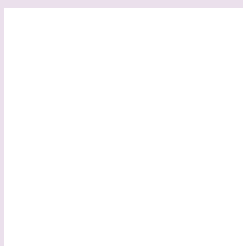
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.0569, 77.0296, 90.2165**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.0569, 77.0296, 90.2165.



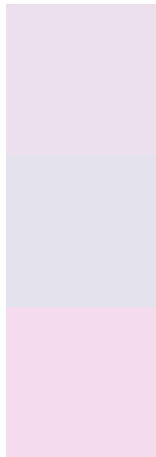
This preview shows how white text looks on a background with the XYZ color 76.0569, 77.0296,



# 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

76.0569, 77.0296, 90.2165

### Protanopia

74.4773, 77.0011, 91.0581

### Deuteranopia

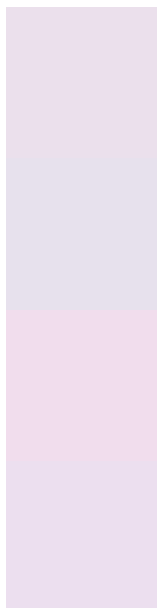
78.5354, 76.7133, 90.7886



## Tritanopia

76.8569, 76.9591, 94.0229

# Trichromacy



## Original Color

76.0569, 77.0296, 90.2165

## Protanomaly

75.1663, 76.9538, 91.0126

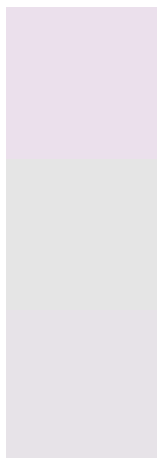
## Deuteranomaly

77.4181, 76.5281, 90.8118

## Tritanomaly

76.5597, 76.8402, 92.4579

# Monochromacy



## Original Color

76.0569, 77.0296, 90.2165

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.9896, 77.7533, 87.3994

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0569, 77.0296, 90.2165 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(235, 224, 236) looks like.

```
.text, #text, p{  
    color:rgb(235, 224, 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(235, 224, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0569, 77.0296, 90.2165 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(235, 224, 236) }
```



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

```
.border{ border-color:rgb(235, 224, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 224, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 224, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 224, 236);  
box-shadow:4px 4px 4px 4px rgb(235, 224,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0569, 77.0296, 90.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 224, 236) }
```

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

```
.background{ background-color: rgb(235,  
224, 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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