

# Converting Colors

XYZ(77.2275, 79.5897, 90.4133)

Have a look what the booklet for  
XYZ(77.2275, 79.5897, 90.4133)  
contains.

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# **Color**

**XYZ(77.4206, 79.7569,  
90.6710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE5EC
RGB	235, 229, 236
RGB Percent	92%, 90%, 93%
CMY	0.0784, 0.1019, 0.0745
CMYK	0.00, 0.03, 0.00, 0.07
HSL	291°, 16%, 91%
HSV	291°, 3%, 93%
XYZ	77.4206, 79.7569, 90.6710
YIQ	231.5920, 1.3290, 3.4490

# Conversions

## Conversions Part 2

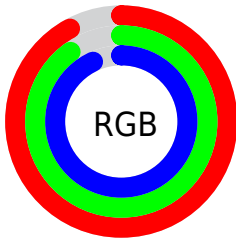
Format	Color
R <sub>Y</sub> B	235, 229, 236
Decimal	15459820
CIE Lab	91.58, 3.27, -2.69
CIE LCh	92, 4.231, 320.570
Yxy	79.7569, 0.3124, 0.3218
Android (android.graphics.Color)	4293649900 (0xFFEBE5EC)
YUV	231.5920, 2.1731, 2.9888
Hunter-Lab	89.3067, -1.5439, 2.3190

# Details

The XYZ color **77.4206, 79.7569, 90.6710** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.7744, 82.4731, 86.0052**, and the grayscale version is **76.3824, 80.3602, 87.5123**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9647, 43.1511, 49.2972** is the 20% darker color. If you saturate the color by 10%, you get **70.2273, 67.0068, 88.5903**, and if you desaturate by 10%, it is **85.5273, 94.3001, 93.0520**.

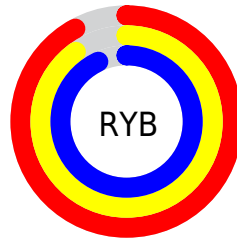
# Distribution



Red (92%)

Green (90%)

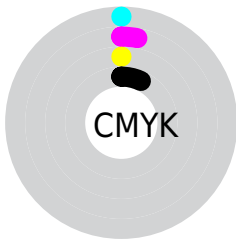
Blue (93%)



Red (92%)

Yellow (90%)

Blue (93%)

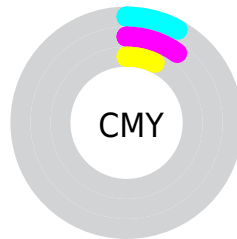


Cyan (0%)

Magenta (3%)

Yellow (0%)

Black (7%)



Cyan (8%)

Magenta (10%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4206, 79.7569, 90.6710 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 77.4206, 79.7569, 90.6710 by changing the saturation by 10% instead.



77.4206, 79.7569,  
90.6710

77.4206, 79.7569,  
90.6710

475.0669,  
494.1132, 550.8375

57.8993, 59.5183,  
67.9605

128.7027,  
133.0239, 150.2137

41.9706, 43.0305,  
49.3991

161.1942,  
166.8211, 187.8830

29.2693, 29.9091,  
34.5683

198.7398,  
205.9066, 231.3756

19.4299, 19.7696,  
23.0497

241.7049,  
250.6649, 281.1101

12.0872, 12.2277,  
14.4245

290.4548,  
301.4803, 337.5050

6.8757, 6.8989,  
8.2744

345.3548,

3.4301, 3.3990,

358.7372, 400.9788

4.1808

406.7704,  
422.8201, 471.9502

■ 1.3851, 1.3434,  
1.7250

■ 0.2456, 0.1744,  
0.3778

■ 77.4206, 79.7569,  
90.6710

■ 77.4206, 79.7569,  
90.6710

■ 70.2273, 67.0068,  
88.5903

■ 85.5273, 94.3001,  
93.0520

■ 63.9047, 55.9682,  
86.7929

■ 87.4319, 96.4088,  
93.3587

■ 58.4172, 46.5686,  
85.2678

■ 88.5988, 97.0104,  
93.4133

■ 53.7237, 38.7264,  
84.0015

■ 89.7872, 97.6230,  
93.4689

■ 49.7799, 32.3526,  
82.9791

■ 90.9971, 98.2468,  
93.5255

■ 46.5366, 27.3496,  
82.1843

■ 92.1406, 98.8362,  
93.5790

■ 43.9390, 23.6077,  
81.5990

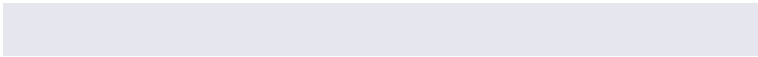
■ 41.9237, 21.0001,  
81.2019

■ 40.4139, 19.3736,  
80.9675

# Harmonies

## Analogous

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



76.5379, 79.7569, 92.5251



77.4206, 79.7569, 90.6710



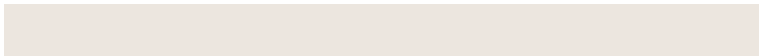
77.8720, 79.7569, 87.8190

# Triad

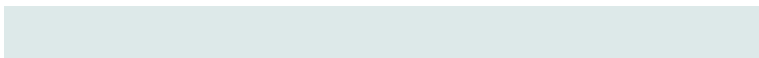
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4206, 79.7569, 90.6710



76.1470, 79.7569, 81.1103



73.8804, 79.7569, 88.9465

# Complementary

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



77.4206, 79.7569, 90.6710



76.7744, 82.4731, 86.0052

# 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.



73.7780, 79.7569, 85.8717



77.4206, 79.7569, 90.6710



75.0798, 79.7569, 81.3959

# Square

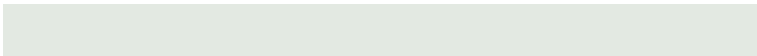
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



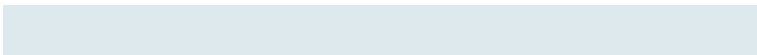
77.4206, 79.7569, 90.6710



77.1321, 79.7569, 82.3320



74.2151, 79.7569, 83.1218



74.4963, 79.7569, 91.5132

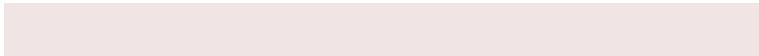


# Rectangle

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



77.4206, 79.7569, 90.6710



77.8647, 79.7569, 85.7561



74.2151, 79.7569, 83.1218



73.7850, 79.7569, 87.9364

# Sweetspot

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



77.4229, 79.7603, 90.6727



94.1079, 98.3147, 108.6244



75.7675, 79.3393, 90.6787



20.1529, 21.0612, 23.2530



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.



77.4229, 79.7603, 90.6727



91.3476, 93.3884, 107.8190



77.4005, 79.7896, 88.8271



16.2246, 16.5002, 19.2520



21.8966, 10.3240, 44.5816

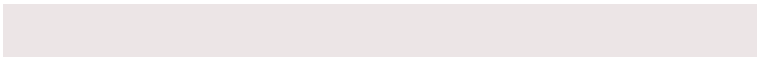


1.7774, 0.8406, 3.5034



# Inverse Universe

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



76.8971, 79.5883, 86.1760



90.5061, 93.1135, 100.5989



76.7988, 82.4459, 87.8039



16.0484, 16.4427, 17.7370



19.2529, 9.9038, 1.8669

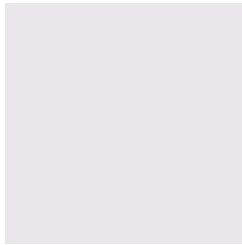


1.5392, 0.7886, 0.2909



# Previews

## White Background



This preview shows how the XYZ color 77.4206, 79.7569, 90.6710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

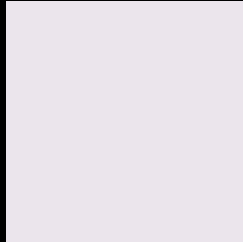
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4206, 79.7569, 90.6710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

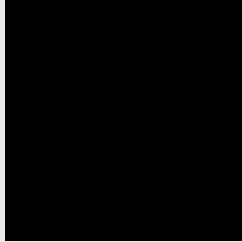
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

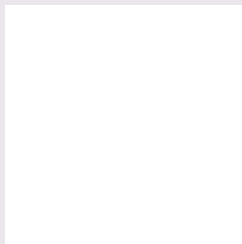
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.4206, 79.7569, 90.6710**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.4206, 79.7569, 90.6710.



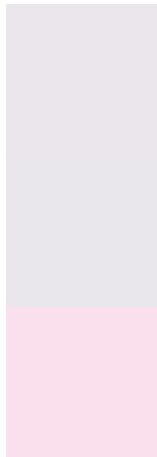
This preview shows how white text looks on a background with the XYZ color 77.4206, 79.7569,

90.6710.

# 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

77.4206, 79.7569, 90.6710

### Protanopia

77.0414, 79.9734, 90.7328

### Deuteranopia

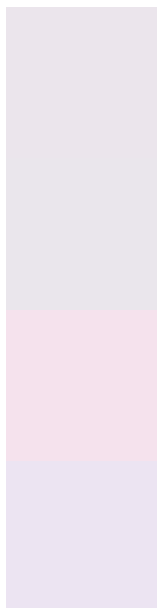
81.3661, 79.7497, 91.2255



## Tritanopia

78.8169, 79.9122, 97.6567

# Trichromacy



## Original Color

77.4206, 79.7569, 90.6710

## Protanomaly

77.3688, 80.1422, 90.7481

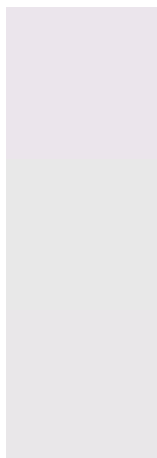
## Deuteranomaly

80.1386, 79.9196, 91.3230

## Tritanomaly

78.3625, 79.7305, 95.2638

# Monochromacy



## Original Color

77.4206, 79.7569, 90.6710

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.8882, 80.3587, 88.5491

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4206, 79.7569, 90.6710 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, 229, 236) looks like.

```
.text, #text, p{  
    color:rgb(235, 229, 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, 229, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 229, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4206, 79.7569, 90.6710 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, 229, 236) }
```



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

```
.border{ border-color:rgb(235, 229, 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, 229, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 229, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 229, 236);  
box-shadow:4px 4px 4px 4px rgb(235, 229,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4206, 79.7569, 90.6710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 229, 236) }
```

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

```
.background{ background-color: rgb(235,  
229, 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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