

# Converting Colors

XYZ(77.6113, 78.8026, 89.9001)

Have a look what the booklet for  
XYZ(77.6113, 78.8026, 89.9001)  
contains.

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# Color

**XYZ(77.4516, 78.5680,  
89.6803)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEE2EB
RGB	238, 226, 235
RGB Percent	93%, 89%, 92%
CMY	0.0667, 0.1137, 0.0784
CMYK	0.00, 0.05, 0.01, 0.07
HSL	315°, 26%, 91%
HSV	315°, 5%, 93%
XYZ	77.4516, 78.5680, 89.6803
YIQ	230.6140, 4.2630, 5.3430

# Conversions

## Conversions Part 2

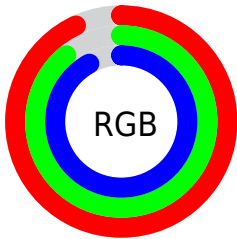
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 226, 235
Decimal	15655659
CIE Lab	91.04, 5.65, -2.93
CIE LCh	91, 6.359, 332.608
Yxy	78.5680, 0.3152, 0.3198
Android (android.graphics.Color)	4293845739 (0xFFEEE2EB)
YUV	230.6140, 2.1623, 6.4775
Hunter-Lab	88.6386, 0.8541, 2.0602

# Details

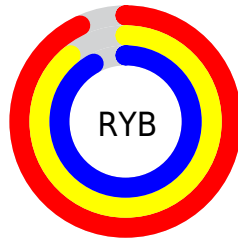
The XYZ color **77.4516, 78.5680, 89.6803** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.0843, 82.9769, 86.1387**, and the grayscale version is **75.6529, 79.5928, 86.6765**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9910, 42.3256, 48.6043** is the 20% darker color. If you saturate the color by 10%, you get **70.5790, 66.1749, 83.2184**, and if you desaturate by 10%, it is **85.2558, 92.7760, 96.5965**.

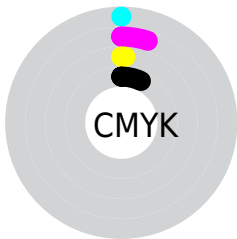
# Distribution



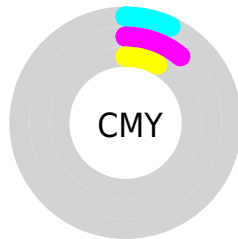
- Red (93%)
- Green (89%)
- Blue (92%)



- Red (93%)
- Yellow (89%)
- Blue (92%)



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4516, 78.5680, 89.6803 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 77.4516, 78.5680, 89.6803 by changing the saturation by 10% instead.



77.4516, 78.5680,  
89.6803

77.4516, 78.5680,  
89.6803

475.1707,  
490.0937, 547.5336

57.9248, 58.5407,  
67.1433

128.7462,  
131.3505, 148.8259

41.9912, 42.2435,  
48.7388

161.2448,  
164.8745, 186.2715

29.2855, 29.2920,  
34.0482

198.7980,  
203.6662, 229.5238

19.4423, 19.3018,  
22.6529

241.7711,  
248.1100, 279.0013

12.0962, 11.8886,  
14.1346

290.5296,  
298.5902, 335.1224

6.8819, 6.6678,  
8.0745

345.4388,

3.4340, 3.2553,

355.4913, 398.3058

4.0542

406.8641,  
419.1977, 468.9700

■ 1.3872, 1.2664,  
1.6551

■ 0.2471, 0.1150,  
0.3297

■ 77.4516, 78.5680,  
89.6803

■ 77.4516, 78.5680,  
89.6803

■ 70.5790, 66.1749,  
83.2184

■ 85.2558, 92.7760,  
96.5965

■ 64.5941, 55.5127,  
77.1921

■ 87.7942, 96.4069,  
101.8999

■ 59.4596, 46.5063,  
71.5885

■ 88.7271, 96.7801,  
106.8127

■ 55.1328, 39.0706,  
66.3919

■ 89.0703, 96.9174,  
108.6202

■ 51.5674, 33.1133,  
61.5854

■ 48.7120, 28.5324,  
57.1505

■ 46.5088, 25.2125,  
53.0665

■ 44.8906, 23.0198,  
49.3094

■ 43.7749, 21.7898,  
45.8502

# Harmonies

## Analogous

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



76.3528, 78.5680, 93.2143



77.4516, 78.5680, 89.6803



77.8036, 78.5680, 85.1455

# Triad

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



77.4516, 78.5680, 89.6803



74.5361, 78.5680, 77.0143



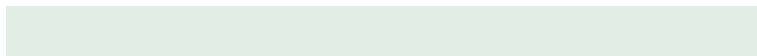
72.1057, 78.5680, 90.4014

# Complementary

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



77.4516, 78.5680, 89.6803



76.0843, 82.9769, 86.1387

# 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.



71.6344, 78.5680, 85.9502



77.4516, 78.5680, 89.6803



73.0250, 78.5680, 78.3125

# Square

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



77.4516, 78.5680, 89.6803



76.1061, 78.5680, 77.9338



71.9685, 78.5680, 81.5431



73.2650, 78.5680, 93.6410



# Rectangle

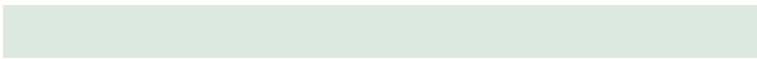
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



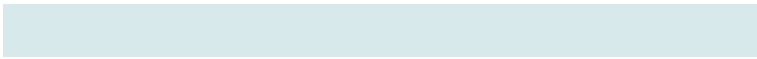
77.4516, 78.5680, 89.6803



77.5633, 78.5680, 82.1927



71.9685, 78.5680, 81.5431



71.8623, 78.5680, 88.9917

# Sweetspot

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



77.4538, 78.5714, 89.6820



93.2399, 96.7072, 107.2870



74.9452, 77.2277, 91.8463



19.9761, 20.7338, 22.9808



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.



77.4538, 78.5714, 89.6820



89.7519, 90.3797, 104.1252



76.6017, 78.2305, 85.1947



16.7151, 16.7541, 19.4153



24.2363, 11.9670, 24.9588



2.0557, 1.0113, 2.2840



# Inverse Universe

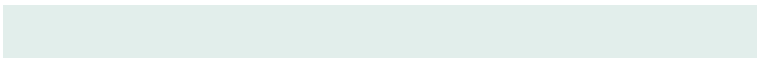
The Inverse Universe completely reimagines the original color for something new.



77.4538, 78.5714, 89.6820



89.7519, 90.3797, 104.1252



76.9365, 83.3178, 90.6260



16.7151, 16.7541, 19.4153



24.2363, 11.9670, 24.9588

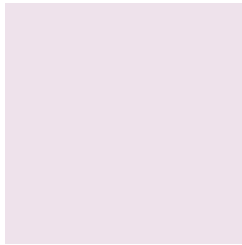


2.0557, 1.0113, 2.2840



# Previews

## White Background



This preview shows how the XYZ color 77.4516, 78.5680, 89.6803 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

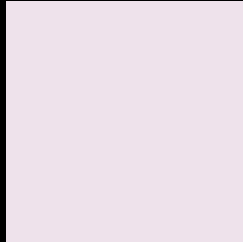
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4516, 78.5680, 89.6803 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

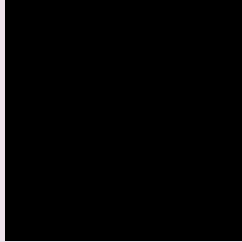
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

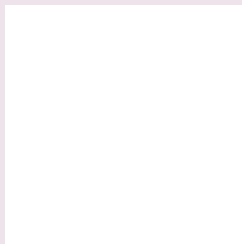
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.4516, 78.5680, 89.6803**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.4516, 78.5680, 89.6803.



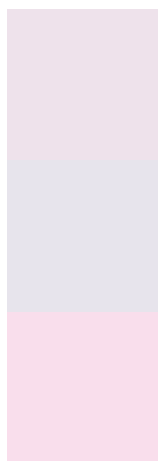
This preview shows how white text looks on a background with the XYZ color 77.4516, 78.5680,

89.6803.

# 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

77.4516, 78.5680, 89.6803

### Protanopia

75.8387, 78.5319, 90.5179

### Deuteranopia

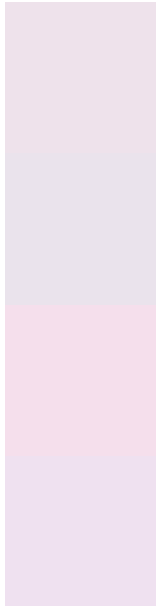
80.3285, 78.4384, 90.2632



## Tritanopia

78.6995, 78.6722, 95.8314

# Trichromacy



## Original Color

77.4516, 78.5680, 89.6803

## Protanomaly

76.5411, 78.4867, 90.4722

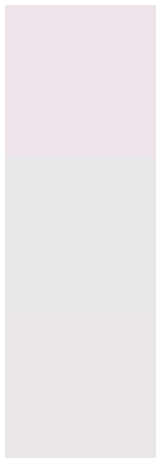
## Deuteranomaly

79.1842, 78.2440, 90.2860

## Tritanomaly

78.2500, 78.4924, 93.4644

# Monochromacy



## Original Color

77.4516, 78.5680, 89.6803

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.5165, 79.3572, 87.6286

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4516, 78.5680, 89.6803 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(238, 226, 235) looks like.

```
.text, #text, p{  
    color:rgb(238, 226, 235)  
}
```

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(238, 226, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 226, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4516, 78.5680, 89.6803 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(238, 226, 235) }
```



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

```
.border{ border-color:rgb(238, 226, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 226, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 226, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 226, 235);  
box-shadow:4px 4px 4px 4px rgb(238, 226,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4516, 78.5680, 89.6803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 226, 235) }
```

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

```
.background{ background-color: rgb(238,  
226, 235) }
```

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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