

# Converting Colors

XYZ(77.8473, 79.3610, 91.5366)

Have a look what the booklet for  
XYZ(77.8473, 79.3610, 91.5366)  
contains.

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# Color

**XYZ(77.9545, 79.6058,  
91.3776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDE4ED
RGB	237, 228, 237
RGB Percent	93%, 89%, 93%
CMY	0.0706, 0.1059, 0.0706
CMYK	0.00, 0.04, 0.00, 0.07
HSL	300°, 20%, 91%
HSV	300°, 4%, 93%
XYZ	77.9545, 79.6058, 91.3776
YIQ	231.7170, 2.4750, 4.7070

# Conversions

## Conversions Part 2

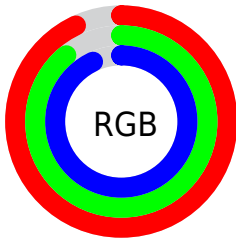
Format	Color
R <sub>Y</sub> B	237, 228, 237
Decimal	15590637
CIE Lab	91.51, 4.63, -3.29
CIE LCh	92, 5.682, 324.599
Yxy	79.6058, 0.3131, 0.3198
Android (android.graphics.Color)	4293780717 (0xFFE4E4ED)
YUV	231.7170, 2.6045, 4.6332
Hunter-Lab	89.2221, -0.1809, 1.7331

# Details

The XYZ color **77.9545, 79.6058, 91.3776** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.2858, 82.6660, 85.3384**, and the grayscale version is **76.4720, 80.4545, 87.6150**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3401, 43.0471, 49.7934** is the 20% darker color. If you saturate the color by 10%, you get **71.8772, 67.4503, 89.3529**, and if you desaturate by 10%, it is **84.9301, 93.5556, 93.7037**.

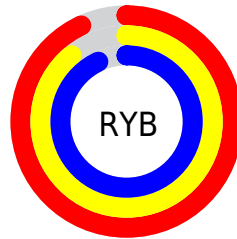
# Distribution



Red (93%)

Green (89%)

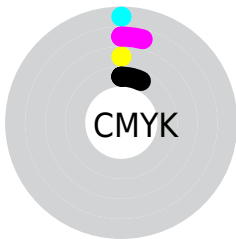
Blue (93%)



Red (93%)

Yellow (89%)

Blue (93%)

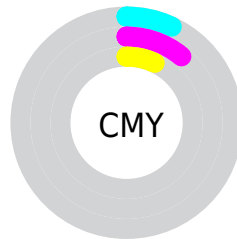


Cyan (0%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (11%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9545, 79.6058, 91.3776 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 77.9545, 79.6058, 91.3776 by changing the saturation by 10% instead.



77.9545, 79.6058,  
91.3776

77.9545, 79.6058,  
91.3776

476.8545,  
493.6034, 553.1873

58.3393, 59.3940,  
68.5436

129.4517,  
132.8114, 151.2027

42.3258, 42.9304,  
49.8707

162.0643,  
166.5739, 189.0309

29.5487, 29.8305,  
34.9402

199.7402,  
205.6222, 232.6942

19.6426, 19.7100,  
23.3336

242.8445,  
250.3407, 282.6113

12.2423, 12.1844,  
14.6324

291.7428,  
301.1136, 339.2006

6.9823, 6.8694,  
8.4181

346.8003,

3.4973, 3.3805,

358.3254, 402.8807

4.2720

408.3824,  
422.3605, 474.0701

■ 1.4219, 1.3335,  
1.7757

■ 0.2717, 0.1669,  
0.4119

■ 77.9545, 79.6058,  
91.3776

■ 77.9545, 79.6058,  
91.3776

■ 71.8772, 67.4503,  
89.3529

■ 84.9301, 93.5556,  
93.7037

■ 66.6552, 57.0066,  
87.6122

■ 85.9722, 95.6395,  
94.0510

■ 62.2522, 48.2009,  
86.1446

■ 85.9723, 95.6395,  
94.0510

■ 58.6267, 40.9502,  
84.9362

■ 85.9725, 95.6396,  
94.0510

55.7336, 35.1642,  
83.9719

85.9727, 95.6397,  
94.0510

53.5230, 30.7432,  
83.2350

85.9729, 95.6398,  
94.0511

51.9389, 27.5753,  
82.7071

85.9730, 95.6399,  
94.0511

50.9165, 25.5308,  
82.3663

85.9732, 95.6400,  
94.0511

50.3769, 24.4518,  
82.1865

85.9734, 95.6401,  
94.0511

# Harmonies

## Analogous

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



76.8275, 79.6058, 94.1292



77.9545, 79.6058, 91.3776



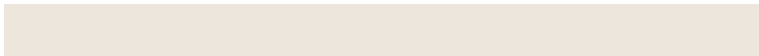
78.4680, 79.6058, 87.4297

# Triad

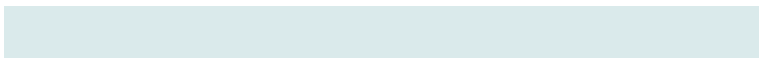
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9545, 79.6058, 91.3776



75.9252, 79.6058, 78.9808



73.1602, 79.6058, 90.0380

# Complementary

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



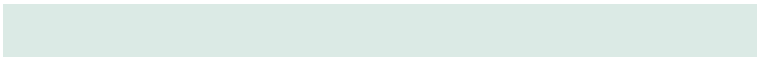
77.9545, 79.6058, 91.3776



76.2858, 82.6660, 85.3384

# 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.



72.9255, 79.6058, 85.9290



77.9545, 79.6058, 91.3776



74.5102, 79.6058, 79.6292

# Square

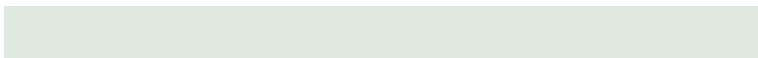
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9545, 79.6058, 91.3776



77.2869, 79.6058, 80.3405



73.4167, 79.6058, 82.1408



74.0619, 79.6058, 93.3386



# Rectangle

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



77.9545, 79.6058, 91.3776



78.3886, 79.6058, 84.6835



73.4167, 79.6058, 82.1408



73.0012, 79.6058, 88.7020

# Sweetspot

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



77.9568, 79.6092, 91.3793



94.2419, 98.3838, 108.6306



75.0693, 78.1819, 91.2560



20.1802, 21.0752, 23.2543



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.



77.9568, 79.6092, 91.3793



91.1165, 92.1331, 107.5889



77.3291, 79.3582, 88.0736



16.2093, 16.3026, 19.2147



27.4125, 13.1676, 44.8398



2.1525, 1.0340, 3.5210

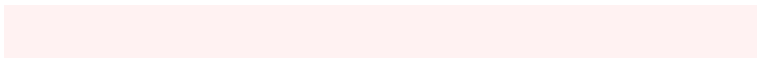


# Inverse Universe

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



76.6750, 79.0965, 84.6290



89.1312, 91.3390, 97.1341



76.8972, 82.9105, 88.5580



15.8095, 16.1427, 17.1094



19.0678, 9.8298, 0.8925

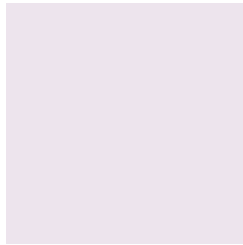


1.4973, 0.7719, 0.0701



# Previews

## White Background



This preview shows how the XYZ color 77.9545, 79.6058, 91.3776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

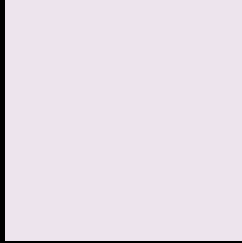
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9545, 79.6058, 91.3776 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

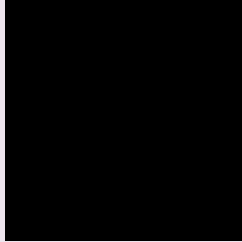
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

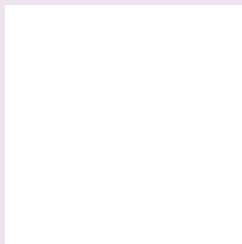
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.9545, 79.6058, 91.3776**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9545, 79.6058, 91.3776.



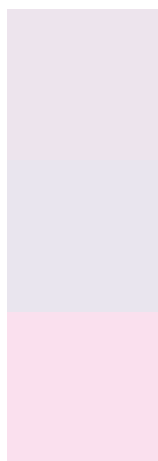
This preview shows how white text looks on a background with the XYZ color 77.9545, 79.6058,

91.3776.

# 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

77.9545, 79.6058, 91.3776

### Protanopia

77.0562, 79.5353, 92.1795

### Deuteranopia

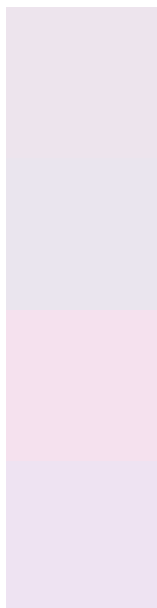
81.5126, 79.8083, 91.9973



## **Tritanopia**

79.2104, 79.7079, 97.5965

# Trichromacy



## Original Color

77.9545, 79.6058, 91.3776

## Protanomaly

77.3836, 79.7041, 92.1948

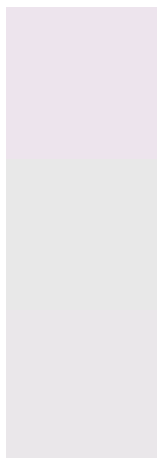
## Deuteranomaly

80.0140, 79.4360, 92.0044

## Tritanomaly

78.7560, 79.5261, 95.2036

# Monochromacy



## Original Color

77.9545, 79.6058, 91.3776

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.3589, 80.5848, 89.3191

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9545, 79.6058, 91.3776 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(237, 228, 237) looks like.

```
.text, #text, p{  
    color:rgb(237, 228, 237)  
}
```

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(237, 228, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 228, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9545, 79.6058, 91.3776 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(237, 228, 237) }
```



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

```
.border{ border-color:rgb(237, 228, 237) }
```

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

Here you see how a box with a 4 pixel rgb(237, 228, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(237, 228,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9545, 79.6058, 91.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 228, 237) }
```

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

```
.background{ background-color: rgb(237,  
228, 237) }
```

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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