

# Converting Colors

XYZ(78.2823, 79.6467, 97.8099)

Have a look what the booklet for  
XYZ(78.2823, 79.6467, 97.8099)  
contains.

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# **Color**

**XYZ(78.1565, 79.5718,  
97.6258)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE4F5
RGB	234, 228, 245
RGB Percent	92%, 89%, 96%
CMY	0.0823, 0.1059, 0.0392
CMYK	0.04, 0.07, 0.00, 0.04
HSL	261°, 46%, 93%
HSV	261°, 7%, 96%
XYZ	78.1565, 79.5718, 97.6258
YIQ	231.7320, -1.8810, 6.5590

# Conversions

## Conversions Part 2

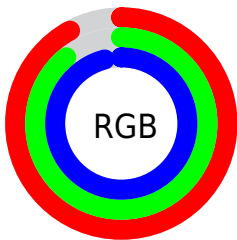
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 228, 245
Decimal	15394037
CIE Lab	91.49, 5.10, -7.52
CIE LCh	91, 9.090, 304.141
Yxy	79.5718, 0.3061, 0.3116
Android (android.graphics.Color)	4293584117 (0xFFEAE4F5)
YUV	231.7320, 6.5411, 1.9890
Hunter-Lab	89.2030, 0.2900, -2.4462

# Details

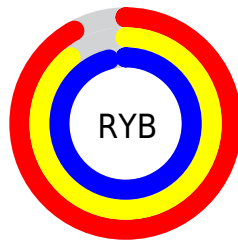
The XYZ color **78.1565, 79.5718, 97.6258** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.2556, 89.2591, 86.2962**, and the grayscale version is **76.4570, 80.4388, 87.5978**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4890, 43.0262, 54.2096** is the 20% darker color. If you saturate the color by 10%, you get **66.9141, 64.4714, 95.3049**, and if you desaturate by 10%, it is **90.8246, 96.8293, 100.2904**.

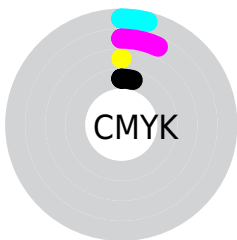
# Distribution



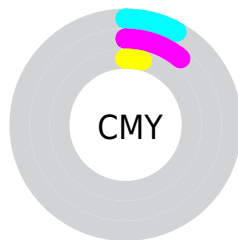
- Red (92%)
- Green (89%)
- Blue (96%)



- Red (92%)
- Yellow (89%)
- Blue (96%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (8%)
- Magenta (11%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1565, 79.5718, 97.6258 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 78.1565, 79.5718, 97.6258 by changing the saturation by 10% instead.



■ 78.1565, 79.5718,  
97.6258

■ 78.1565, 79.5718,  
97.6258

477.5298,  
493.4886, 573.7351

■ 58.5058, 59.3661,  
73.7134

129.7349,  
132.7635, 159.9139

■ 42.4602, 42.9079,  
54.0642

162.3933,  
166.5183, 199.1268

■ 29.6545, 29.8128,  
38.2594

200.1183,  
205.5582, 244.2769

■ 19.7233, 19.6966,  
25.8807

243.2753,  
250.2677, 295.7828

■ 12.3011, 12.1747,  
16.5095

292.2296,  
301.0310, 354.0631

■ 7.0228, 6.8627,  
9.7271

347.3465,

■ 3.5228, 3.3764,

358.2327, 419.5362

5.1152

408.9915,  
422.2571, 492.6207

■ 1.4359, 1.3313,  
2.2551

■ 0.2816, 0.1652,  
0.7059

■ 78.1565, 79.5718,  
97.6258

■ 78.1565, 79.5718,  
97.6258

■ 66.9141, 64.4714,  
95.3049

■ 90.8246, 96.8293,  
100.2904

■ 57.0382, 51.4318,  
93.3085

■ 93.4817, 99.3727,  
100.6412

■ 48.4757, 40.3643,  
91.6235

■ 41.1673, 31.1696,  
90.2340

■ 35.0486, 23.7398,  
89.1224

■ 30.0491, 17.9554,  
88.2694

■ 26.0898, 13.6816,  
87.6531

■ 23.0798, 10.7611,  
87.2481

■ 20.9066, 8.9947,  
87.0217

# Harmonies

## Analogous

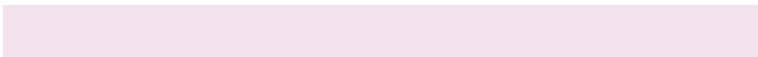
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9525, 79.5718, 99.9877



78.1565, 79.5718, 97.6258



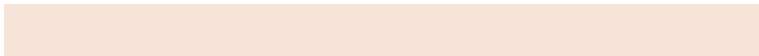
79.7075, 79.5718, 92.3204

# Triad

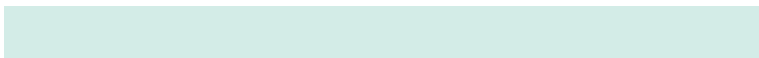
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1565, 79.5718, 97.6258



77.5888, 79.5718, 75.6670



71.2771, 79.5718, 87.5640

# Complementary

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



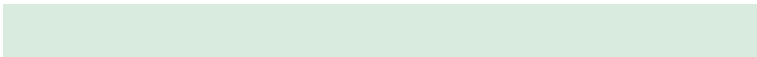
78.1565, 79.5718, 97.6258



82.2556, 89.2591, 86.2962

# Split Complementary

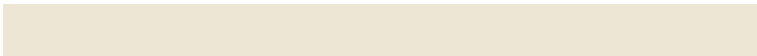
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.6952, 79.5718, 81.1978



78.1565, 79.5718, 97.6258



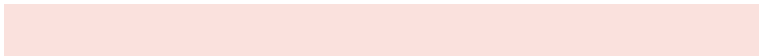
75.3096, 79.5718, 74.5367

# Square

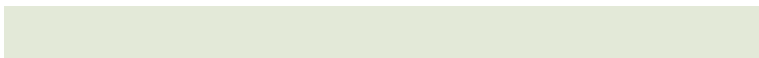
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1565, 79.5718, 97.6258



79.3750, 79.5718, 79.6804



73.1597, 79.5718, 76.5112



72.0058, 79.5718, 93.9938



# Rectangle

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



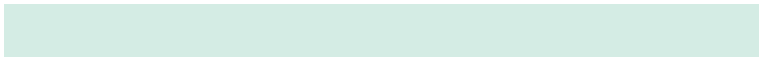
78.1565, 79.5718, 97.6258



80.1458, 79.5718, 87.9481



73.1597, 79.5718, 76.5112



71.2883, 79.5718, 85.3453

# Sweetspot

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



78.1588, 79.5752, 97.6275



92.2406, 96.1684, 108.3085



79.3603, 84.8515, 98.5827



19.7728, 20.6241, 23.1887



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.



78.1588, 79.5752, 97.6275



84.1923, 85.2492, 106.6251



80.9999, 81.0398, 97.7605



16.1327, 16.2111, 20.8213



11.1038, 4.6985, 46.8597



1.0831, 0.4682, 4.1235



# Inverse Universe

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



80.9824, 81.1349, 93.0578



87.7466, 87.2129, 100.8556



79.4687, 87.8224, 86.1657



16.9509, 16.6632, 19.4879



23.7053, 11.8255, 18.9541

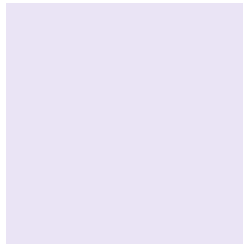


2.1321, 1.0588, 1.9222



# Previews

## White Background



This preview shows how the XYZ color 78.1565, 79.5718, 97.6258 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

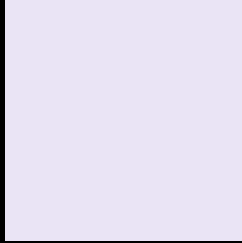
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.1565, 79.5718, 97.6258 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

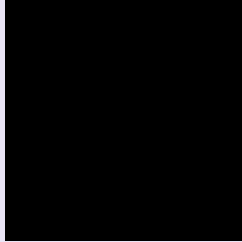
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

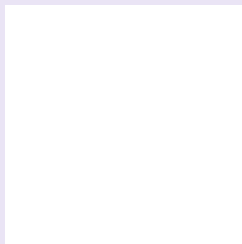
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.1565, 79.5718, 97.6258

## Background



This preview shows how black text looks on a background with the XYZ color 78.1565, 79.5718, 97.6258.



This preview shows how white text looks on a background with the XYZ color 78.1565, 79.5718,

97.6258.

# 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

78.1565, 79.5718, 97.6258

### Protanopia

77.2870, 79.5154, 98.4633

### Deuteranopia

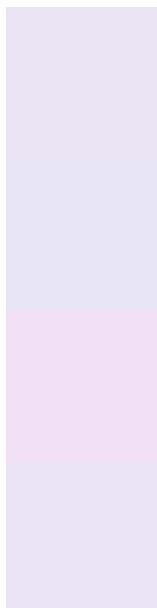
81.2962, 79.5580, 98.2602



## Tritanopia

78.3096, 79.6331, 98.4321

# Trichromacy



## Original Color

78.1565, 79.5718, 97.6258

## Protanomaly

77.6089, 79.6814, 98.4784

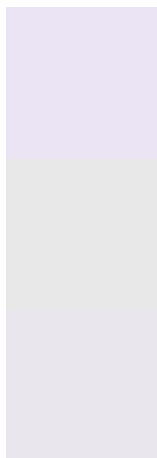
## Deuteranomaly

80.1777, 79.3815, 98.2851

## Tritanomaly

78.3096, 79.6331, 98.4321

# Monochromacy



## Original Color

78.1565, 79.5718, 97.6258

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.4662, 80.5899, 91.5933

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.1565, 79.5718, 97.6258 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(234, 228, 245) looks like.

```
.text, #text, p{  
    color:rgb(234, 228, 245)  
}
```

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(234, 228, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 228, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 78.1565, 79.5718, 97.6258 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(234, 228, 245) }
```



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

```
.border{ border-color:rgb(234, 228, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 228, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 228, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 228, 245);  
box-shadow:4px 4px 4px 4px rgb(234, 228,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.1565, 79.5718, 97.6258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 228, 245) }
```

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

```
.background{ background-color: rgb(234,  
228, 245) }
```

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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