

# Converting Colors

XYZ(78.5650, 79.9567, 91.5137)

Have a look what the booklet for  
XYZ(78.5650, 79.9567, 91.5137)  
contains.

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# **Color**

**XYZ(78.6261, 79.9520,  
91.4090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFE4ED
RGB	239, 228, 237
RGB Percent	94%, 89%, 93%
CMY	0.0627, 0.1059, 0.0706
CMYK	0.00, 0.05, 0.01, 0.06
HSL	311°, 26%, 92%
HSV	311°, 5%, 94%
XYZ	78.6261, 79.9520, 91.4090
YIQ	232.3150, 3.6670, 5.1310

# Conversions

## Conversions Part 2

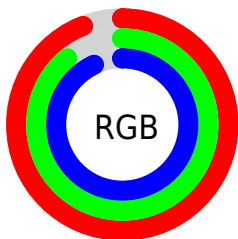
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 228, 237
Decimal	15721709
CIE Lab	91.66, 5.30, -3.05
CIE LCh	92, 6.114, 330.126
Yxy	79.9520, 0.3145, 0.3198
Android (android.graphics.Color)	4293911789 (0xFFEFE4ED)
YUV	232.3150, 2.3097, 5.8627
Hunter-Lab	89.4159, 0.4827, 1.9795

# Details

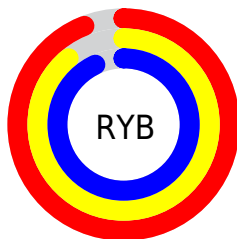
The XYZ color **78.6261, 79.9520, 91.4090** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.1474, 83.9423, 87.0035**, and the grayscale version is **76.9210, 80.9269, 88.1293**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8125, 43.2906, 49.8155** is the 20% darker color. If you saturate the color by 10%, you get **71.8737, 67.4504, 86.0633**, and if you desaturate by 10%, it is **86.3073, 94.2844, 97.1423**.

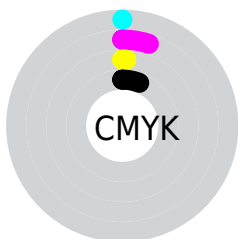
# Distribution



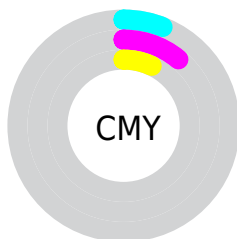
- Red (94%)
- Green (89%)
- Blue (93%)



- Red (94%)
- Yellow (89%)
- Blue (93%)



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (6%)



- Cyan (6%)
- Magenta (11%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.6261, 79.9520, 91.4090 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 78.6261, 79.9520, 91.4090 by changing the saturation by 10% instead.



78.6261, 79.9520,  
91.4090

78.6261, 79.9520,  
91.4090

479.0979,  
494.7711, 553.2916

58.8930, 59.6789,  
68.5696

130.3931,  
133.2982, 151.2466

42.7730, 43.1598,  
49.8917

163.1576,  
167.1401, 189.0818

29.9008, 30.0105,  
34.9568

200.9968,  
206.2737, 232.7528

19.9110, 19.8466,  
23.3463

244.2758,  
251.0834, 282.6779

12.4383, 12.2836,  
14.6417

293.3600,  
301.9536, 339.2758

7.1172, 6.9371,  
8.4245

348.6149,

3.5825, 3.4228,

359.2687, 402.9651

4.2761

410.4057,  
423.4130, 474.1642

■ 1.4688, 1.3562,  
1.7780

■ 0.3044, 0.1841,  
0.4134

■ 78.6261, 79.9520,  
91.4090

■ 78.6261, 79.9520,  
91.4090

■ 71.8737, 67.4504,  
86.0633

■ 86.3073, 94.2844,  
97.1423

■ 66.0062, 56.6950,  
81.0870

■ 87.9450, 96.5061,  
100.9365

■ 60.9860, 47.6102,  
76.4680

■ 88.6192, 96.7758,  
104.4867

■ 56.7705, 40.1104,  
72.1917

■ 89.3091, 97.0518,  
108.1196

■ 53.3130, 34.1029,  
68.2419

■ 89.4071, 97.0910,  
108.6359

■ 50.5623, 29.4850,  
64.6009

■ 48.4603, 26.1411,  
61.2488

■ 46.9399, 23.9369,  
58.1628

■ 45.9187, 22.7080,  
55.3148

# Harmonies

## Analogous

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



77.5094, 79.9520, 94.7075



78.6261, 79.9520, 91.4090



79.0350, 79.9520, 87.0352

# Triad

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



78.6261, 79.9520, 91.4090



75.9854, 79.9520, 78.7330



73.4238, 79.9520, 91.4430

# Complementary

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



78.6261, 79.9520, 91.4090



77.1474, 83.9423, 87.0035

# 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.



73.0281, 79.9520, 87.0731



78.6261, 79.9520, 91.4090



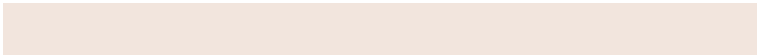
74.4945, 79.9520, 79.8246

# Square

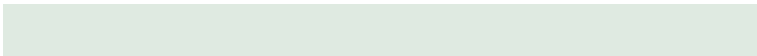
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6261, 79.9520, 91.4090



77.4977, 79.9520, 79.8067



73.4174, 79.9520, 82.8398



74.5059, 79.9520, 94.7276



# Rectangle

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



78.6261, 79.9520, 91.4090



78.8469, 79.9520, 84.1279



73.4174, 79.9520, 82.8398



73.2068, 79.9520, 90.0474

# Sweetspot

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



78.6284, 79.9555, 91.4107



94.1673, 98.3539, 108.2378



75.9065, 78.5183, 92.8174



20.1650, 21.0691, 23.1743



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

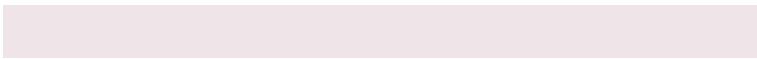
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6284, 79.9555, 91.4107



89.9170, 90.4457, 104.9946



77.8609, 79.6484, 87.3691



16.7491, 16.7677, 19.5944



25.1931, 12.3496, 29.9969



2.1276, 1.0401, 2.6627



# Inverse Universe

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



78.6284, 79.9555, 91.4107



89.9170, 90.4457, 104.9946



77.9077, 84.2464, 91.0072



16.7491, 16.7677, 19.5944



25.1931, 12.3496, 29.9969

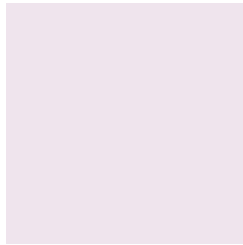


2.1276, 1.0401, 2.6627



# Previews

## White Background



This preview shows how the XYZ color 78.6261, 79.9520, 91.4090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

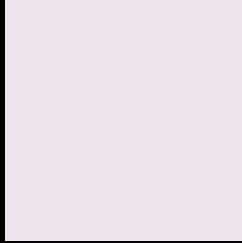
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.6261, 79.9520, 91.4090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

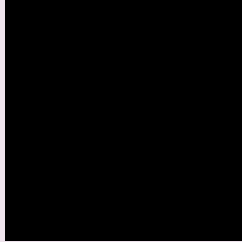
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

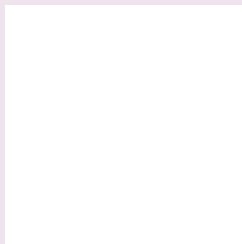
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.6261, 79.9520, 91.4090

## Background



This preview shows how black text looks on a background with the XYZ color 78.6261, 79.9520, 91.4090.



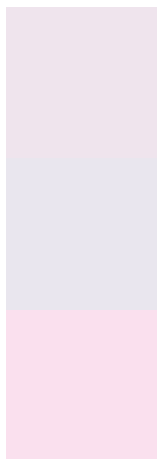
This preview shows how white text looks on a background with the XYZ color 78.6261, 79.9520,

91.4090.

# 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

78.6261, 79.9520, 91.4090

### Protanopia

77.3337, 80.0903, 92.2720

### Deuteranopia

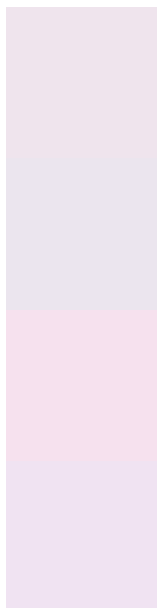
81.5126, 79.8083, 91.9973



## Tritanopia

79.8857, 80.0560, 97.6281

# Trichromacy



## Original Color

78.6261, 79.9520, 91.4090

## Protanomaly

77.7129, 79.8738, 92.2102

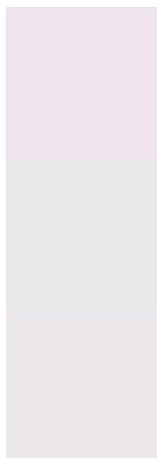
## Deuteranomaly

80.3639, 79.6163, 92.0208

## Tritanomaly

79.4313, 79.8742, 95.2352

# Monochromacy



## Original Color

78.6261, 79.9520, 91.4090

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.6881, 80.7545, 89.3345

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.6261, 79.9520, 91.4090 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(239, 228, 237) looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 228, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 228, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 78.6261, 79.9520, 91.4090 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(239, 228, 237) }
```



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

```
.border{ border-color:rgb(239, 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(239, 228, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(239, 228,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.6261, 79.9520, 91.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 228, 237) }
```

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

```
.background{ background-color: rgb(239,  
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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