

# Converting Colors

XYZ(80.1701, 82.9670, 94.6125)

Have a look what the booklet for  
XYZ(80.1701, 82.9670, 94.6125)  
contains.

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# Color

**XYZ(79.7921, 82.5736,  
94.1709)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDE9F0
RGB	237, 233, 240
RGB Percent	93%, 91%, 94%
CMY	0.0706, 0.0863, 0.0588
CMYK	0.01, 0.03, 0.00, 0.06
HSL	274°, 19%, 93%
HSV	274°, 3%, 94%
XYZ	79.7921, 82.5736, 94.1709
YIQ	234.9940, 0.1370, 3.0250

# Conversions

## Conversions Part 2

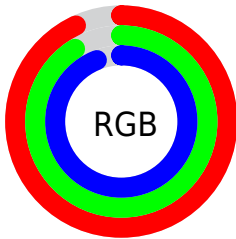
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 233, 240
Decimal	15591920
CIE Lab	92.83, 2.59, -2.92
CIE LCh	93, 3.904, 311.604
Yxy	82.5736, 0.3110, 0.3219
Android (android.graphics.Color)	4293782000 (0xFFE9E9F0)
YUV	234.9940, 2.4680, 1.7593
Hunter-Lab	90.8700, -2.2834, 2.1653

# Details

The XYZ color **79.7921, 82.5736, 94.1709** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.4633, 86.0385, 89.4612**, and the grayscale version is **78.9448, 83.0561, 90.4481**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4299, 44.7287, 51.6919** is the 20% darker color. If you saturate the color by 10%, you get **70.1172, 68.1786, 91.9036**, and if you desaturate by 10%, it is **89.9498, 97.6389, 96.5447**.

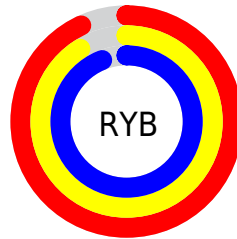
# Distribution



Red (93%)

Green (91%)

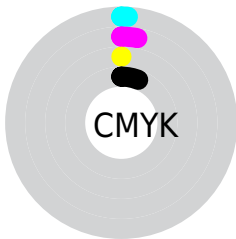
Blue (94%)



Red (93%)

Yellow (91%)

Blue (94%)

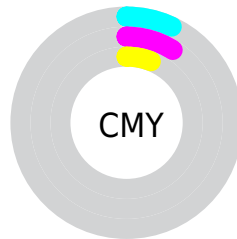


Cyan (1%)

Magenta (3%)

Yellow (0%)

Black (6%)



Cyan (7%)

Magenta (9%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7921, 82.5736, 94.1709 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 79.7921, 82.5736, 94.1709 by changing the saturation by 10% instead.



79.7921, 82.5736,  
94.1709

79.7921, 82.5736,  
94.1709

482.9791,  
503.5643, 562.4237

59.8552, 61.8385,  
70.8520

132.0255,  
136.9781, 155.1044

43.5509, 44.9022,  
51.7404

165.0526,  
171.4162, 193.5561

30.5140, 31.3804,  
36.4174

203.1738,  
211.1908, 237.8891

20.3791, 20.8887,  
24.4645

246.7545,  
256.6862, 288.5221

12.7807, 13.0426,  
15.4631

296.1601,  
308.2869, 345.8735

7.3537, 7.4579,  
8.9948

351.7558,

3.7326, 3.7501,

366.3772, 410.3618

4.6410

413.9070,  
431.3416, 482.4057

■ 1.5520, 1.5348,  
1.9832

■ 0.3608, 0.3130,  
0.5449

■ 79.7921, 82.5736,  
94.1709

■ 79.7921, 82.5736,  
94.1709

■ 70.1172, 68.1786,  
91.9036

■ 89.9498, 97.6389,  
96.5447

■ 61.5209, 55.6541,  
89.9391

■ 92.7284, 99.0714,  
96.6747

■ 53.9626, 44.9226,  
88.2661

■ 47.3964, 35.8975,  
86.8702

■ 41.7725, 28.4844,  
85.7357

■ 37.0363, 22.5797,  
84.8456

■ 33.1271, 18.0672,  
84.1807

■ 29.9748, 14.8130,  
83.7187

■ 27.4958, 12.6553,  
83.4329

# Harmonies

## Analogous

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



78.8786, 82.5736, 95.5191



79.7921, 82.5736, 94.1709



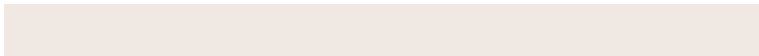
80.3580, 82.5736, 91.6915

# Triad

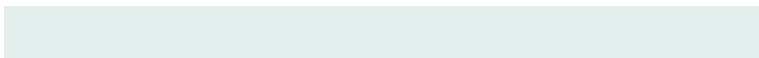
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.7921, 82.5736, 94.1709



79.1038, 82.5736, 84.6875



76.5797, 82.5736, 91.0422

# Complementary

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



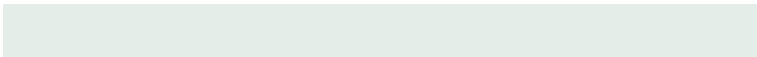
79.7921, 82.5736, 94.1709



80.4633, 86.0385, 89.4612

# 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.



76.6389, 82.5736, 88.1490



79.7921, 82.5736, 94.1709



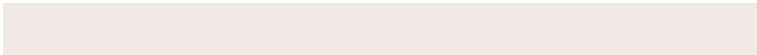
78.0902, 82.5736, 84.5223

# Square

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



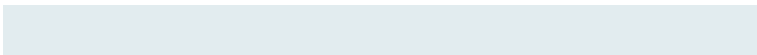
79.7921, 82.5736, 94.1709



79.9582, 82.5736, 86.2334



77.1897, 82.5736, 85.7769



77.0275, 82.5736, 93.6868

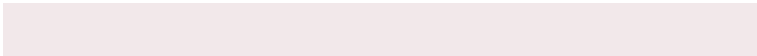


# Rectangle

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



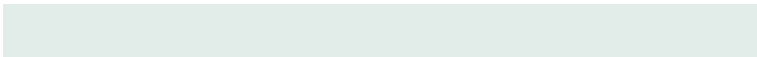
79.7921, 82.5736, 94.1709



80.4590, 82.5736, 89.7516



77.1897, 82.5736, 85.7769



76.5411, 82.5736, 90.0658

# Sweetspot

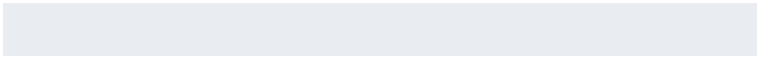
The Sweet Spot groups the original color and five complimentary colors.



79.7945, 82.5771, 94.1727



93.8407, 98.1770, 108.6119



79.3407, 83.6283, 94.3995



20.0985, 21.0331, 23.2504



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.



79.7945, 82.5771, 94.1727



91.4612, 94.5989, 108.0466



80.7354, 83.0702, 93.8555



16.9615, 17.4638, 20.1985



14.4198, 6.4391, 45.6107



1.3132, 0.5943, 3.7997



# Inverse Universe

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



80.2174, 82.8630, 91.1275



91.9623, 94.9376, 104.4396



79.5422, 85.5559, 89.7664



17.0795, 17.5436, 19.3502



21.0731, 10.7017, 8.3014

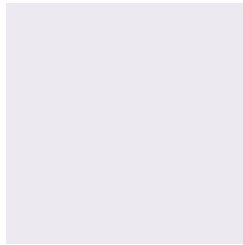


1.8020, 0.9098, 0.9479



# Previews

## White Background



This preview shows how the XYZ color 79.7921, 82.5736, 94.1709 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

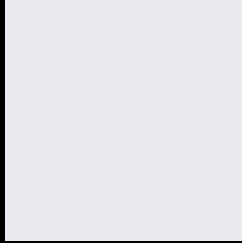
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.7921, 82.5736, 94.1709 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

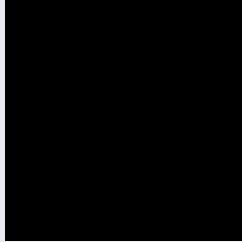
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

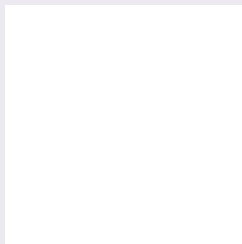
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.7921, 82.5736, 94.1709**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.7921, 82.5736, 94.1709.



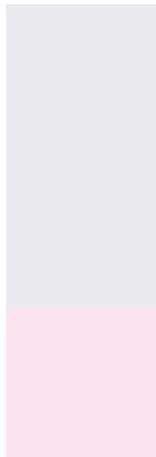
This preview shows how white text looks on a background with the XYZ color 79.7921, 82.5736,

94.1709.

# 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

79.7921, 82.5736, 94.1709

### Protanopia

79.7921, 82.5736, 94.1709

### Deuteranopia

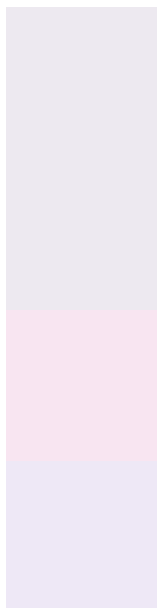
84.2193, 82.3599, 94.6773



## Tritanopia

81.4278, 82.4047, 102.0565

# Trichromacy



## Original Color

79.7921, 82.5736, 94.1709

## Protanomaly

79.7921, 82.5736, 94.1709

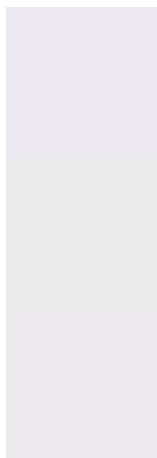
## Deuteranomaly

82.6079, 82.3460, 94.7595

## Tritanomaly

80.7511, 82.5442, 98.8654

# Monochromacy



## Original Color

79.7921, 82.5736, 94.1709

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.3010, 82.7929, 91.9218

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.7921, 82.5736, 94.1709 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, 233, 240) looks like.

```
.text, #text, p{  
    color:rgb(237, 233, 240)  
}
```

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, 233, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 233, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 79.7921, 82.5736, 94.1709 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, 233, 240) }
```



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

```
.border{ border-color:rgb(237, 233, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 233, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 233, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 233, 240);  
box-shadow:4px 4px 4px 4px rgb(237, 233,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.7921, 82.5736, 94.1709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 233, 240) }
```

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

```
.background{ background-color: rgb(237,  
233, 240) }
```

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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