

# Converting Colors

XYZ(79.6983, 80.8924, 89.8386)

Have a look what the booklet for  
XYZ(79.6983, 80.8924, 89.8386)  
contains.

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# Color

**XYZ(79.6327, 80.9140,  
90.0181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E5EB
RGB	242, 229, 235
RGB Percent	95%, 90%, 92%
CMY	0.0510, 0.1019, 0.0784
CMYK	0.00, 0.05, 0.03, 0.05
HSL	332°, 33%, 92%
HSV	332°, 5%, 95%
XYZ	79.6327, 80.9140, 90.0181
YIQ	233.5710, 5.8220, 4.6220

# Conversions

## Conversions Part 2

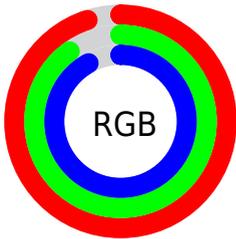
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 229, 235
Decimal	15918571
CIE Lab	92.09, 5.44, -1.34
CIE LCh	92, 5.605, 346.150
Yxy	80.9140, 0.3178, 0.3229
Android (android.graphics.Color)	4294108651 (0xFFFF2E5EB)
YUV	233.5710, 0.7045, 7.3922
Hunter-Lab	89.9522, 0.6057, 3.6331

# Details

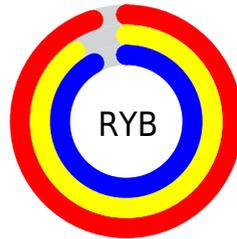
The XYZ color **79.6327, 80.9140, 90.0181** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.2087, 86.2207, 91.8288**, and the grayscale version is **77.8762, 81.9319, 89.2238**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5224, 43.9659, 48.8402** is the 20% darker color. If you saturate the color by 10%, you get **71.5837, 67.7193, 78.3820**, and if you desaturate by 10%, it is **88.7578, 96.0377, 102.6958**.

# Distribution



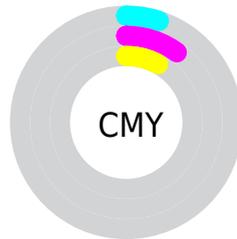
- Red (95%)
- Green (90%)
- Blue (92%)



- Red (95%)
- Yellow (90%)
- Blue (92%)



- Cyan (0%)
- Magenta (5%)
- Yellow (3%)
- Black (5%)



- Cyan (5%)
- Magenta (10%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6327, 80.9140, 90.0181 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 79.6327, 80.9140, 90.0181 by changing the saturation by 10% instead.

 79.6327, 80.9140,  
90.0181

 79.6327, 80.9140,  
90.0181

482.4496,  
498.0078, 548.6613

 59.7236, 60.4708,  
67.4219

131.8024,  
134.6500, 149.2993

 43.4445, 43.7982,  
48.9638

164.7938,  
168.7116, 186.8213

 30.4300, 30.5119,  
34.2254

202.8765,  
208.0814, 230.1556

 20.3149, 20.2275,  
22.7880

246.4161,  
253.1438, 279.7209

 12.7338, 12.5605,  
14.2332

295.7779,  
304.2833, 335.9355

 7.3212, 7.1266,  
8.1425

351.3271,

 3.7119, 3.5414,

361.8842, 399.2181

4.0972

413.4292,  
426.3309, 469.9872

■ 1.5405, 1.4205,  
1.6788

■ 0.3531, 0.2318,  
0.3461

■ 79.6327, 80.9140,  
90.0181

■ 79.6327, 80.9140,  
90.0181

■ 71.5837, 67.7193,  
78.3820

■ 88.7578, 96.0377,  
102.6958

■ 64.5624, 56.3650,  
67.7538

■ 90.4285, 97.6175,  
108.6837

■ 58.5271, 46.7715,  
58.1058

■ 53.4304, 38.8488,  
49.4066

■ 49.2209, 32.4994,  
41.6229

■ 45.8417, 27.6151,  
34.7190

■ 43.2292, 24.0741,  
28.6563

■ 41.3094, 21.7347,  
23.3917

■ 39.9919, 20.4222,  
18.8760

# Harmonies

## Analogous

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



78.9253, 80.9140, 93.7238



79.6327, 80.9140, 90.0181



79.6032, 80.9140, 85.9091

# Triad

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



79.6327, 80.9140, 90.0181



76.1369, 80.9140, 80.6850



74.9995, 80.9140, 93.9591

# Complementary

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



79.6327, 80.9140, 90.0181



79.2087, 86.2207, 91.8288

# 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.



74.2711, 80.9140, 90.3311



79.6327, 80.9140, 90.0181



74.9221, 80.9140, 82.7089

# Square

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



79.6327, 80.9140, 90.0181



77.5726, 80.9140, 80.6071



74.2429, 80.9140, 86.2125



76.2438, 80.9140, 96.0468

# Rectangle

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



79.6327, 80.9140, 90.0181



79.1693, 80.9140, 83.4953



74.2429, 80.9140, 86.2125



74.6869, 80.9140, 92.8742

# Sweetspot

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



79.6350, 80.9175, 90.0199



93.0054, 96.6134, 106.0521



78.6192, 80.2747, 95.3566



19.9284, 20.7147, 22.7295



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.



79.6350, 80.9175, 90.0199



89.0631, 90.1042, 100.4985



78.9030, 80.8168, 85.5734



16.5734, 16.6974, 18.6692



21.2995, 10.7922, 9.4939



1.8216, 0.9177, 1.0515



# Inverse Universe

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



79.6350, 80.9175, 90.0199



89.0631, 90.1042, 100.4985



79.9660, 86.3175, 96.4520



16.5734, 16.6974, 18.6692



21.2995, 10.7922, 9.4939

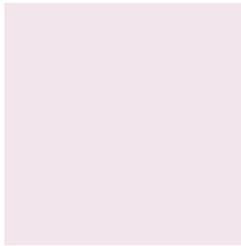


1.8216, 0.9177, 1.0515



# Previews

## White Background



This preview shows how the XYZ color 79.6327, 80.9140, 90.0181 looks on a white background.

## Color Contrast Check

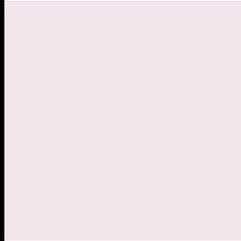
Large Text (above 18pt) WCAG AA × Fail

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 79.6327, 80.9140, 90.0181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

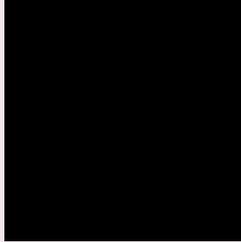
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

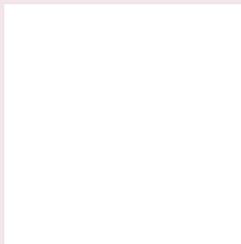
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 79.6327, 80.9140, 90.0181

## Background



This preview shows how black text looks on a background with the XYZ color 79.6327, 80.9140, 90.0181.



This preview shows how white text looks on a background with the XYZ color 79.6327, 80.9140,

90.0181.

# 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

79.6327, 80.9140, 90.0181

### Protanopia

77.9772, 80.8701, 90.8565

### Deuteranopia

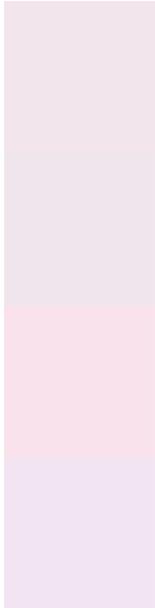
82.5735, 80.7892, 90.5987



## Tritanopia

81.2587, 80.7638, 97.6924

# Trichromacy



## Original Color

79.6327, 80.9140, 90.0181

## Protanomaly

78.6970, 80.8269, 90.8103

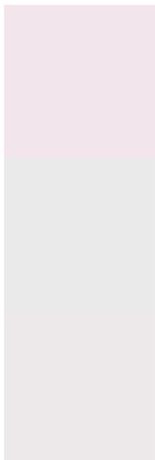
## Deuteranomaly

81.4036, 80.5886, 90.6216

## Tritanomaly

80.5827, 80.8924, 94.5857

# Monochromacy



## Original Color

79.6327, 80.9140, 90.0181

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.6329, 81.6583, 89.4591

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.6327, 80.9140, 90.0181 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(242, 229, 235) looks like.

```
.text, #text, p{  
    color:rgb(242, 229, 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(242, 229, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 229, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 79.6327, 80.9140, 90.0181 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(242, 229, 235) }
```

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

```
.border{ border-color:rgb(242, 229, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 229, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 229, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 229, 235);  
box-shadow:4px 4px 4px 4px rgb(242, 229,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.6327, 80.9140, 90.0181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 229, 235) }
```

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

```
.background{ background-color: rgb(242,  
229, 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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