

# Converting Colors

XYZ(79.7011, 80.2999, 95.5001)

Have a look what the booklet for  
XYZ(79.7011, 80.2999, 95.5001)  
contains.

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# **Color**

**XYZ(79.7056, 80.4229,  
95.3266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E4F2
RGB	240, 228, 242
RGB Percent	94%, 89%, 95%
CMY	0.0588, 0.1059, 0.0510
CMYK	0.01, 0.06, 0.00, 0.05
HSL	291°, 35%, 92%
HSV	291°, 6%, 95%
XYZ	79.7056, 80.4229, 95.3266
YIQ	233.1840, 2.6580, 6.8980

# Conversions

## Conversions Part 2

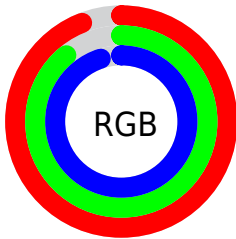
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 228, 242
Decimal	15787250
CIE Lab	91.87, 6.53, -5.34
CIE LCh	92, 8.435, 320.731
Yxy	80.4229, 0.3120, 0.3148
Android (android.graphics.Color)	4293977330 (0xFFFF0E4F2)
YUV	233.1840, 4.3463, 5.9776
Hunter-Lab	89.6788, 1.7110, -0.2488

# Details

The XYZ color **79.7056, 80.4229, 95.3266** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.3918, 85.9308, 85.8575**, and the grayscale version is **77.5596, 81.5987, 88.8610**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5737, 43.6227, 52.5778** is the 20% darker color. If you saturate the color by 10%, you get **72.3468, 67.4303, 93.2078**, and if you desaturate by 10%, it is **88.0233, 95.2976, 97.7605**.

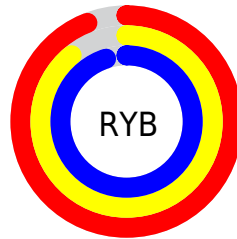
# Distribution



Red (94%)

Green (89%)

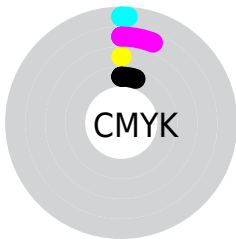
Blue (95%)



Red (94%)

Yellow (89%)

Blue (95%)

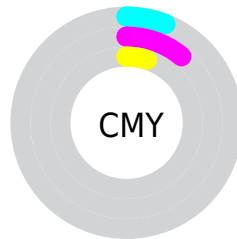


Cyan (1%)

Magenta (6%)

Yellow (0%)

Black (5%)



Cyan (6%)

Magenta (11%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7056, 80.4229, 95.3266 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 79.7056, 80.4229, 95.3266 by changing the saturation by 10% instead.



79.7056, 80.4229,  
95.3266

79.7056, 80.4229,  
95.3266

482.6918,  
496.3569, 566.2211

59.7838, 60.0664,  
71.8084

131.9044,  
133.9601, 156.7152

43.4932, 43.4722,  
52.5163

164.9121,  
167.9097, 195.4227

30.4684, 30.2558,  
37.0317

203.0125,  
207.1591, 240.0304

20.3443, 20.0328,  
24.9361

246.5709,  
252.0926, 290.9569

12.7552, 12.4189,  
15.8108

295.9527,  
303.0948, 348.6207

7.3361, 7.0296,  
9.2375

351.5232,

3.7213, 3.4806,

360.5500, 413.4403

4.7975

413.6478,  
424.8425, 485.8342

■ 1.5457, 1.3875,  
2.0723

■ 0.3566, 0.2075,  
0.5992

■ 79.7056, 80.4229,  
95.3266

■ 79.7056, 80.4229,  
95.3266

■ 72.3468, 67.4303,  
93.2078

■ 88.0233, 95.2976,  
97.7605

■ 65.9012, 56.2324,  
91.3861

■ 90.1159, 97.6901,  
98.1120

■ 60.3299, 46.7502,  
89.8495

■ 91.3463, 98.3243,  
98.1696

■ 55.5884, 38.8948,  
88.5832

■ 92.5994, 98.9703,  
98.2282

■ 51.6281, 32.5695,  
87.5710

■ 93.0272, 99.1909,  
98.2483

■ 48.3954, 27.6670,  
86.7951

■ 45.8296, 24.0662,  
86.2353

■ 43.8598, 21.6255,  
85.8680

■ 42.3985, 20.1702,  
85.6642

# Harmonies

## Analogous

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



77.9216, 80.4229, 99.1888



79.7056, 80.4229, 95.3266



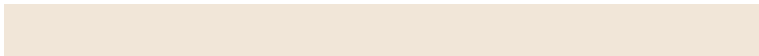
80.6192, 80.4229, 89.5000

# Triad

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



79.7056, 80.4229, 95.3266



77.1116, 80.4229, 76.3269



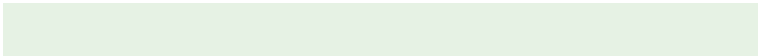
72.6145, 80.4229, 91.8522

# Complementary

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



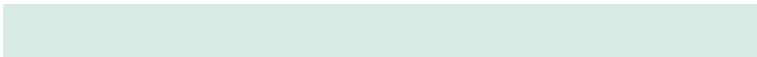
79.7056, 80.4229, 95.3266



78.3918, 85.9308, 85.8575

# 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.



72.4069, 80.4229, 85.6618



79.7056, 80.4229, 95.3266



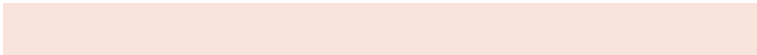
74.9764, 80.4229, 76.8902

# Square

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



79.7056, 80.4229, 95.3266



79.1031, 80.4229, 78.6634



73.2640, 80.4229, 80.2401



73.8365, 80.4229, 97.1181

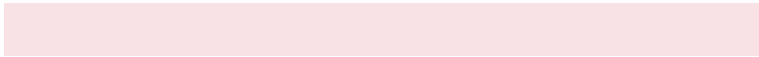


# Rectangle

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



79.7056, 80.4229, 95.3266



80.6001, 80.4229, 85.3673



73.2640, 80.4229, 80.2401



72.4247, 80.4229, 89.8039

# Sweetspot

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



79.7079, 80.4264, 95.3283



93.1769, 96.6511, 108.3523



76.3500, 79.5579, 95.3377



19.9633, 20.7224, 23.1976



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.



79.7079, 80.4264, 95.3283



88.6855, 88.6547, 107.0456



79.6645, 80.4879, 91.5366



16.5219, 16.4462, 20.0252



22.5859, 10.6488, 45.9929



1.9391, 0.9169, 3.8290



# Inverse Universe

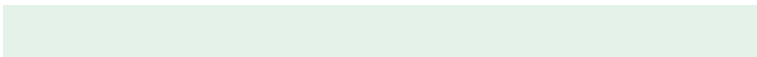
The Inverse Universe completely reimagines the original color for something new.



78.6471, 80.0809, 86.1790



87.2514, 88.1888, 94.6286



78.4436, 85.8778, 89.4607



16.2334, 16.3525, 17.5228



19.8606, 10.2167, 1.9163

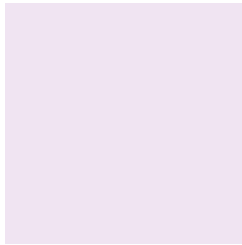


1.6804, 0.8612, 0.3079



# Previews

## White Background



This preview shows how the XYZ color 79.7056, 80.4229, 95.3266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

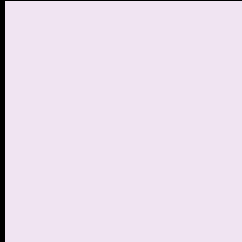
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.7056, 80.4229, 95.3266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

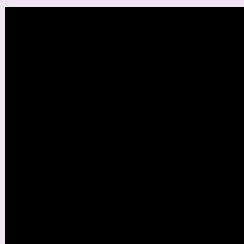
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

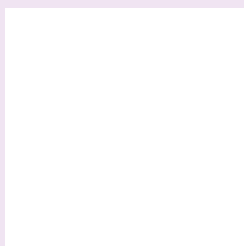
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.7056, 80.4229, 95.3266**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.7056, 80.4229, 95.3266.



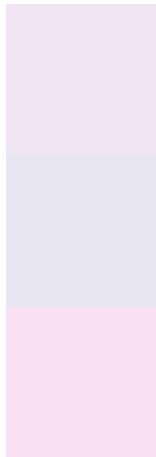
This preview shows how white text looks on a background with the XYZ color 79.7056, 80.4229,

95.3266.

# 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

79.7056, 80.4229, 95.3266

### Protanopia

77.7532, 80.2205, 96.1801

### Deuteranopia

82.1698, 80.4612, 95.9938



## Tritanopia

80.2261, 80.2315, 97.6441

# Trichromacy



## Original Color

79.7056, 80.4229, 95.3266

## Protanomaly

78.4579, 80.1719, 96.1336

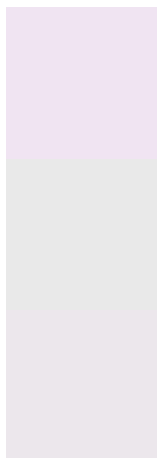
## Deuteranomaly

81.3801, 80.4566, 96.0345

## Tritanomaly

80.0738, 80.1706, 96.8421

# Monochromacy



## Original Color

79.7056, 80.4229, 95.3266

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

78.3083, 81.0408, 90.8720

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.7056, 80.4229, 95.3266 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(240, 228, 242) looks like.

```
.text, #text, p{  
    color:rgb(240, 228, 242)  
}
```

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(240, 228, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 228, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 79.7056, 80.4229, 95.3266 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(240, 228, 242) }
```



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

```
.border{ border-color:rgb(240, 228, 242) }
```

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

Here you see how a box with a 4 pixel rgb(240, 228, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 228, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 228, 242);  
box-shadow:4px 4px 4px 4px rgb(240, 228,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.7056, 80.4229, 95.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 228, 242) }
```

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

```
.background{ background-color: rgb(240,  
228, 242) }
```

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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