

Converting Colors

XYZ(75.7467, 76.8125, 88.4877)

Have a look what the booklet for
XYZ(75.7467, 76.8125, 88.4877)
contains.

XYZ(75.7679, 76.9140, 88.6944)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.7679, 76.9140,
88.6944)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE0EA
RGB	235, 224, 234
RGB Percent	92%, 88%, 92%
CMY	0.0784, 0.1215, 0.0823
CMYK	0.00, 0.05, 0.00, 0.08
HSL	305°, 22%, 90%
HSV	305°, 5%, 92%
XYZ	75.7679, 76.9140, 88.6944
YIQ	228.4290, 3.3460, 5.4420

Conversions

Conversions Part 2

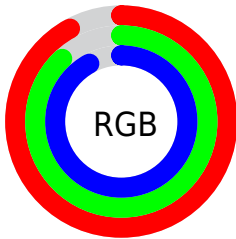
Format	Color
R _Y B	235, 224, 234
Decimal	15458538
CIE Lab	90.28, 5.50, -3.54
CIE LCh	90, 6.539, 327.219
Yxy	76.9140, 0.3139, 0.3186
Android (android.graphics.Color)	4293648618 (0xFFEBE0EA)
YUV	228.4290, 2.7465, 5.7628
Hunter-Lab	87.7006, 0.7368, 1.4286

Details

The XYZ color **75.7679, 76.9140, 88.6944** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.0423, 80.7023, 82.9128**, and the grayscale version is **74.0376, 77.8933, 84.8258**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8143, 41.1740, 47.9157** is the 20% darker color. If you saturate the color by 10%, you get **69.5792, 65.0240, 85.1266**, and if you desaturate by 10%, it is **82.8376, 90.5579, 92.5760**.

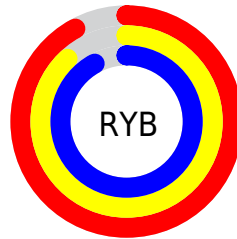
Distribution



Red (92%)

Green (88%)

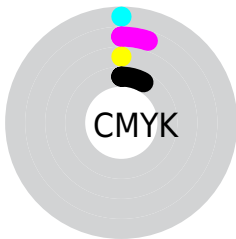
Blue (92%)



Red (92%)

Yellow (88%)

Blue (92%)

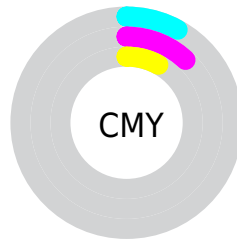


Cyan (0%)

Magenta (5%)

Yellow (0%)

Black (8%)



Cyan (8%)

Magenta (12%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7679, 76.9140, 88.6944 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 75.7679, 76.9140, 88.6944 by changing the saturation by 10% instead.

75.7679, 76.9140,
88.6944

75.7679, 76.9140,
88.6944

469.5094,
484.4708, 544.2347

56.5386, 57.1823,
66.3307

126.3809,
129.0181, 147.4432

40.8736, 41.1516,
48.0827

158.4953,
162.1592, 184.6653

28.4076, 28.4376,
33.5319

195.6354,
200.5390, 227.6773

18.7751, 18.6558,
22.2598

238.1666,
244.5418, 276.8978

11.6110, 11.4218,
13.8478

286.4542,
294.5519, 332.7452

6.5497, 6.3513,
7.8773

340.8637,

3.2259, 3.0599,

350.9539, 395.6381

3.9299

401.7603,
414.1320, 465.9951

■ 1.2743, 1.1631,
1.5870

■ 0.1639, 0.0312,
0.2815

■ 75.7679, 76.9140,
88.6944

■ 75.7679, 76.9140,
88.6944

■ 69.5792, 65.0240,
85.1266

■ 82.8376, 90.5579,
92.5760

■ 64.2293, 54.8066,
81.8557

■ 85.4947, 95.3717,
95.0041

■ 59.6823, 46.1893,
78.8705

■ 85.8111, 95.4983,
96.6705

■ 55.8972, 39.0900,
76.1575

■ 86.1313, 95.6264,
98.3565

52.8296, 33.4196,
73.7015

86.4552, 95.7559,
100.0623

50.4300, 29.0796,
71.4863

86.7829, 95.8870,
101.7880

48.6431, 25.9591,
69.4931

87.1144, 96.0196,
103.5335

47.4044, 23.9292,
67.7005

87.4497, 96.1537,
105.2991

46.6349, 22.8321,
66.0821

87.7887, 96.2893,
107.0846

Harmonies

Analogous

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



74.5456, 76.9140, 91.9739



75.7679, 76.9140, 88.6944



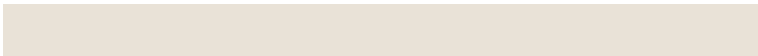
76.2758, 76.9140, 84.1819

Triad

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



75.7679, 76.9140, 88.6944



73.2564, 76.9140, 75.1074



70.3560, 76.9140, 87.9140

Complementary

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



75.7679, 76.9140, 88.6944



74.0423, 80.7023, 82.9128

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.



70.0223, 76.9140, 83.3121



75.7679, 76.9140, 88.6944



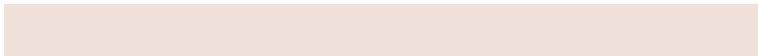
71.6820, 76.9140, 76.0245

Square

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



75.7679, 76.9140, 88.6944



74.8124, 76.9140, 76.4330



70.5042, 76.9140, 78.9857



71.4227, 76.9140, 91.5118

Rectangle

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



75.7679, 76.9140, 88.6944



76.1353, 76.9140, 81.1204



70.5042, 76.9140, 78.9857



70.1551, 76.9140, 86.4282

Sweetspot

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



75.7701, 76.9173, 88.6961



94.2046, 98.3689, 108.4341



72.6797, 75.3075, 89.3036



20.1726, 21.0722, 23.2143



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.



75.7701, 76.9173, 88.6961



90.1386, 90.5344, 106.1617



75.0039, 76.6108, 84.6611



16.0393, 16.0329, 18.9415



25.8216, 12.5313, 36.4573



2.0449, 0.9909, 2.9539

Inverse Universe

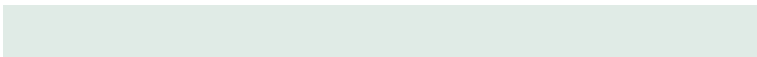
The Inverse Universe completely reimagines the original color for something new.



75.7701, 76.9173, 88.6961



90.1386, 90.5344, 106.1617



74.7929, 81.0025, 86.8655



16.0393, 16.0329, 18.9415



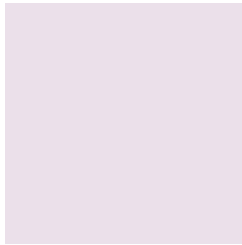
25.8216, 12.5313, 36.4573



2.0449, 0.9909, 2.9539

Previews

White Background



This preview shows how the XYZ color 75.7679, 76.9140, 88.6944 looks on a white background.

Color Contrast Check

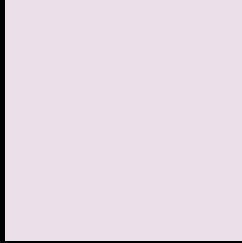
Large Text (above 18pt) WCAG AA × Fail

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 75.7679, 76.9140, 88.6944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

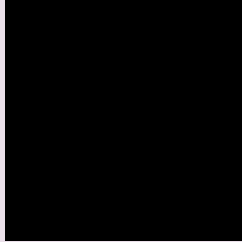
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

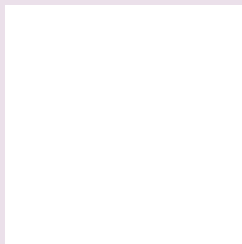
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.7679, 76.9140, 88.6944

Background



This preview shows how black text looks on a background with the XYZ color 75.7679, 76.9140, 88.6944.

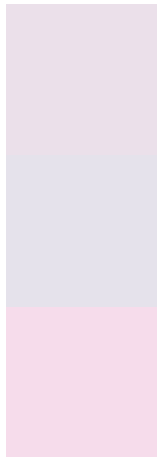


This preview shows how white text looks on a background with the XYZ color 75.7679, 76.9140,

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

75.7679, 76.9140, 88.6944

Protanopia

74.5049, 77.0489, 89.5424

Deuteranopia

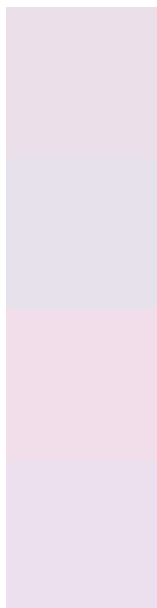
78.5946, 76.7774, 89.2744



Tritanopia

76.8569, 76.9591, 94.0229

Trichromacy



Original Color

75.7679, 76.9140, 88.6944

Protanomaly

74.8756, 76.8375, 89.4820

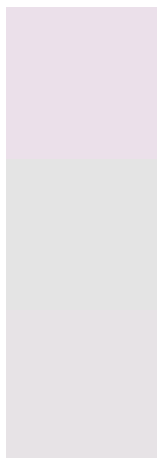
Deuteranomaly

77.4698, 76.5883, 89.2972

Tritanomaly

76.4124, 76.7813, 91.6818

Monochromacy



Original Color

75.7679, 76.9140, 88.6944

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

74.7070, 77.6403, 85.9115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7679, 76.9140, 88.6944 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(235, 224, 234) looks like.

```
.text, #text, p{  
    color:rgb(235, 224, 234)  
}
```

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(235, 224, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 234) }
```

Border

The CSS property to change the border of an element to XYZ 75.7679, 76.9140, 88.6944 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(235, 224, 234) }
```


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

```
.border{ border-color:rgb(235, 224, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 224, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 224, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 224, 234);  
box-shadow:4px 4px 4px 4px rgb(235, 224,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7679, 76.9140, 88.6944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 224, 234) }
```

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

```
.background{ background-color: rgb(235,  
224, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor