

Converting Colors

XYZ(78.1664, 77.6713, 90.0679)

Have a look what the booklet for
XYZ(78.1664, 77.6713, 90.0679)
contains.

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Color

**XYZ(78.1459, 77.7087,
90.2374)**

Conversions

Conversions Part 1

Format	Color
Hex	F2DFEC
RGB	242, 223, 236
RGB Percent	95%, 87%, 93%
CMY	0.0510, 0.1255, 0.0745
CMYK	0.00, 0.08, 0.02, 0.05
HSL	319°, 42%, 91%
HSV	319°, 8%, 95%
XYZ	78.1459, 77.7087, 90.2374
YIQ	230.1630, 7.1510, 8.0710

Conversions

Conversions Part 2

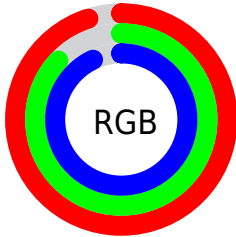
Format	Color
R_{YB}	242, 223, 236
Decimal	15917036
CIE _{Lab}	90.65, 8.73, -3.99
CIE _{LCh}	91, 9.593, 335.436
Yxy	77.7087, 0.3175, 0.3158
Android (android.graphics.Color)	4294107116 (0xFFFF2DFEC)
YUV	230.1630, 2.8776, 10.3810
Hunter-Lab	88.1525, 3.9706, 1.0145

Details

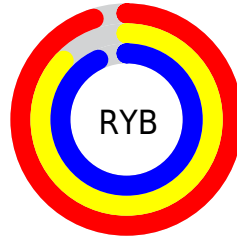
The XYZ color **78.1459, 77.7087, 90.2374** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.3293, 84.8514, 86.4878**, and the grayscale version is **75.3120, 79.2340, 86.2859**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4906, 41.7397, 48.9971** is the 20% darker color. If you saturate the color by 10%, you get **71.0504, 65.2562, 82.5104**, and if you desaturate by 10%, it is **86.2174, 92.0351, 98.5262**.

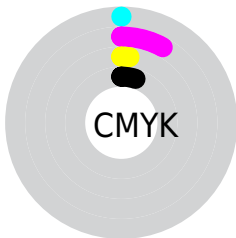
Distribution



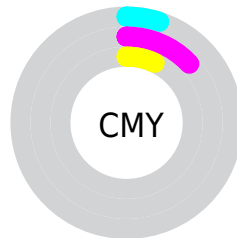
- Red (95%)
- Green (87%)
- Blue (93%)



- Red (95%)
- Yellow (87%)
- Blue (93%)



- Cyan (0%)
- Magenta (8%)
- Yellow (2%)
- Black (5%)





- Cyan (5%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.1459, 77.7087, 90.2374 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 78.1459, 77.7087, 90.2374 by changing the saturation by 10% instead.


 78.1459, 77.7087,
90.2374

 78.1459, 77.7087,
90.2374


477.4944,
487.1770, 549.3928

 58.4970, 57.8347,
67.6027


129.7201,
130.1394, 149.6065

 42.4532, 41.6758,
49.1099


162.3761,
163.4649, 187.1780

 29.6490, 28.8475,
34.3405


200.0985,
202.0430, 230.5656

 19.7190, 18.9655,
22.8758


243.2527,
246.2582, 280.1877

 12.2981, 11.6453,
14.2974

292.2040,
296.4948, 336.4630

 7.0206, 6.5027,
8.1867

347.3179,

 3.5215, 3.1531,

353.1372, 399.8099

4.1252

408.9595,
416.5698, 470.6470

■ 1.4351, 1.2122,
1.6943

■ 0.2811, 0.0716,
0.3568

■ 78.1459, 77.7087,
90.2374

■ 78.1459, 77.7087,
90.2374

■ 71.0504, 65.2562,
82.5104

■ 86.2174, 92.0351,
98.5262

■ 64.8848, 54.5893,
75.3240

■ 89.8366, 97.3808,
105.5672

■ 59.6087, 45.6274,
68.6628

■ 90.4284, 97.6175,
108.6837

■ 55.1765, 38.2801,
62.5086

■ 51.5383, 32.4484,
56.8417

■ 48.6384, 28.0224,
51.6403

■ 46.4141, 24.8771,
46.8804

■ 44.7911, 22.8655,
42.5339

■ 43.6692, 21.7882,
38.5640

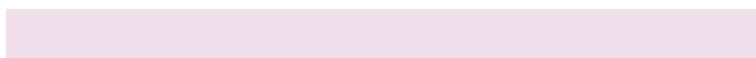
Harmonies

Analogous

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



76.5735, 77.7087, 95.8672



78.1459, 77.7087, 90.2374



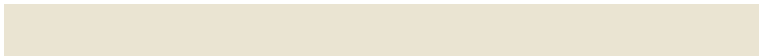
78.5596, 77.7087, 83.3632

Triad

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



78.1459, 77.7087, 90.2374



73.4226, 77.7087, 72.1004



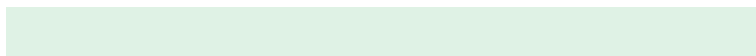
70.1558, 77.7087, 92.5247

Complementary

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



78.1459, 77.7087, 90.2374



76.3293, 84.8514, 86.4878

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.



69.3513, 77.7087, 85.8723



78.1459, 77.7087, 90.2374



71.2110, 77.7087, 74.2733

Square

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



78.1459, 77.7087, 90.2374



75.7989, 77.7087, 73.1291



69.7333, 77.7087, 79.2246



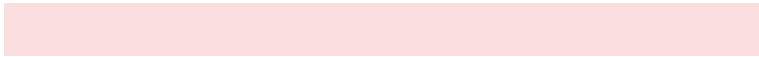
71.9540, 77.7087, 97.2372

Rectangle

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



78.1459, 77.7087, 90.2374



78.1150, 77.7087, 79.0500



69.7333, 77.7087, 79.2246



69.7619, 77.7087, 90.4281

Sweetspot

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



78.1481, 77.7121, 90.2391



93.1862, 96.6858, 107.0046



74.6352, 75.7987, 94.7024



19.9652, 20.7294, 22.9234



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.



78.1481, 77.7121, 90.2391



87.0154, 85.7633, 100.5724



76.8458, 77.1911, 83.3810



16.2294, 15.9415, 18.7643



23.4122, 11.6373, 20.6190



1.9925, 0.9860, 1.9514

Inverse Universe

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



78.1481, 77.7121, 90.2391



87.0154, 85.7633, 100.5724



77.6480, 85.3789, 93.4320



16.2294, 15.9415, 18.7643



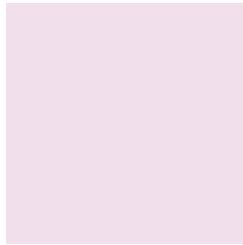
23.4122, 11.6373, 20.6190



1.9925, 0.9860, 1.9514

Previews

White Background



This preview shows how the XYZ color 78.1459, 77.7087, 90.2374 looks on a white background.

Color Contrast Check

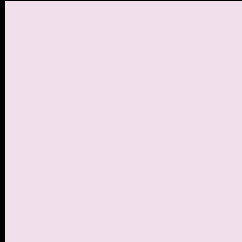
Large Text (above 18pt) WCAG AA × Fail

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 78.1459, 77.7087, 90.2374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

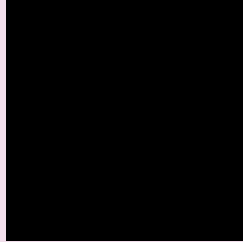
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.1459, 77.7087, 90.2374

Background



This preview shows how black text looks on a background with the XYZ color 78.1459, 77.7087, 90.2374.



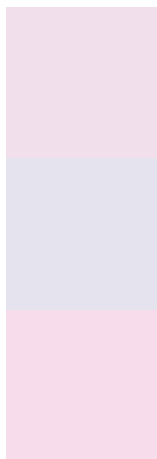
This preview shows how white text looks on a background with the XYZ color 78.1459, 77.7087,

90.2374.

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

78.1459, 77.7087, 90.2374

Protanopia

75.2148, 77.7692, 91.9356

Deuteranopia

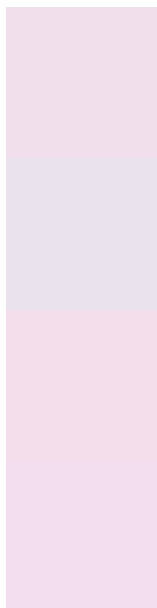
79.3545, 77.5432, 90.1418



Tritanopia

78.8116, 77.5885, 93.2603

Trichromacy



Original Color

78.1459, 77.7087, 90.2374

Protanomaly

76.4141, 77.9996, 91.1487

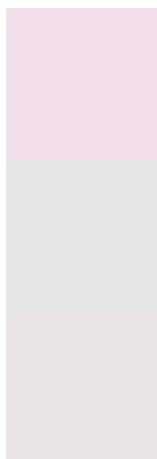
Deuteranomaly

78.9178, 77.7112, 90.1972

Tritanomaly

78.6634, 77.5292, 92.4800

Monochromacy



Original Color

78.1459, 77.7087, 90.2374

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.9663, 78.2568, 87.4452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1459, 77.7087, 90.2374 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, 223, 236) looks like.

```
.text, #text, p{  
    color:rgb(242, 223, 236)  
}
```

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, 223, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 223, 236) }
```

Border

The CSS property to change the border of an element to XYZ 78.1459, 77.7087, 90.2374 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, 223, 236) }
```


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

```
.border{ border-color:rgb(242, 223, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 223, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 223, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 223, 236);  
box-shadow:4px 4px 4px 4px rgb(242, 223,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1459, 77.7087, 90.2374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 223, 236) }
```

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

```
.background{ background-color: rgb(242,  
223, 236) }
```

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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