

Converting Colors

XYZ(78.0083, 82.1025, 78.4934)

Have a look what the booklet for
XYZ(78.0083, 82.1025, 78.4934)
contains.

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Color

**XYZ(77.8603, 81.9176,
78.7258)**

Conversions

Conversions Part 1

Format	Color
Hex	F0E9DB
RGB	240, 233, 219
RGB Percent	94%, 91%, 86%
CMY	0.0588, 0.0863, 0.1412
CMYK	0.00, 0.03, 0.09, 0.06
HSL	40°, 41%, 90%
HSV	40°, 9%, 94%
XYZ	77.8603, 81.9176, 78.7258
YIQ	233.4970, 8.6660, -2.8700

Conversions

Conversions Part 2

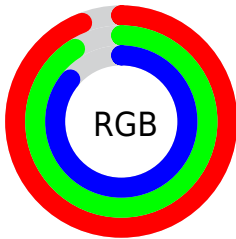
Format	Color
R_{YB}	230, 240, 219
Decimal	15788507
CIE _{Lab}	92.54, 0.00, 7.63
CIE _{LCh}	93, 7.628, 89.999
Yxy	81.9176, 0.3265, 0.3435
Android (android.graphics.Color)	4293978587 (0xFFFF0E9DB)
YUV	233.4970, -7.1470, 5.7031
Hunter-Lab	90.5083, -4.8340, 11.7843

Details

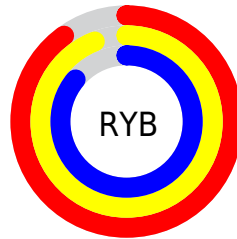
The XYZ color **77.8603, 81.9176, 78.7258** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.1378, 75.7427, 93.2567**, and the grayscale version is **77.8762, 81.9319, 89.2238**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1901, 44.3150, 41.4519** is the 20% darker color. If you saturate the color by 10%, you get **72.7143, 76.3221, 62.5299**, and if you desaturate by 10%, it is **83.5690, 87.9077, 97.3588**.

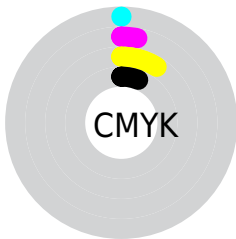
Distribution



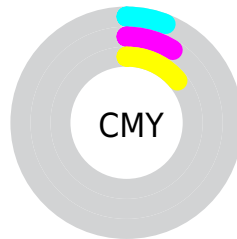
- Red (94%)
- Green (91%)
- Blue (86%)



- Red (90%)
- Yellow (94%)
- Blue (86%)



- Cyan (0%)
- Magenta (3%)
- Yellow (9%)
- Black (6%)



- Cyan (6%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8603, 81.9176, 78.7258 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 77.8603, 81.9176, 78.7258 by changing the saturation by 10% instead.

77.8603, 81.9176,
78.7258

77.8603, 81.9176,
78.7258

476.5393,
501.3720, 510.2213

58.2616, 61.2976,
58.1504

129.3196,
136.0584, 133.3679

42.2631, 44.4654,
41.5141

161.9109,
170.3481, 168.2718

29.4994, 31.0366,
28.3983

199.5638,
209.9631, 208.7888

19.6051, 20.6267,
18.3844

242.6436,
255.2878, 255.3376

12.2149, 12.8514,
11.0541

291.5157,
306.7067, 308.3367

6.9634, 7.3263,
5.9886

346.5454,

3.4854, 3.6670,

364.6041, 368.2047

2.7695

408.0982,
429.3644, 435.3600

■ 1.4153, 1.4891,
0.9782

■ 0.2671, 0.2810,
0.0000

■ 77.8603, 81.9176,
78.7258

■ 77.8603, 81.9176,
78.7258

■ 72.7143, 76.3221,
62.5299

■ 83.5690, 87.9077,
97.3588

■ 68.1034, 71.0999,
48.6630

■ 87.8599, 93.4941,
108.0232

■ 64.0078, 66.2435,
37.0170

■ 89.7456, 97.2655,
108.6518

■ 60.4036, 61.7412,
27.4729

■ 57.2647, 57.5803,
19.9006

■ 54.5623, 53.7468,
14.1552

■ 52.2636, 50.2254,
10.0719

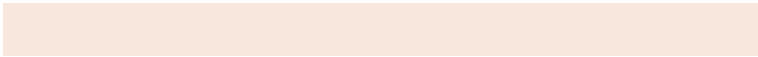
■ 50.3301, 46.9981,
7.4558

■ 48.7060, 44.0401,
6.0197

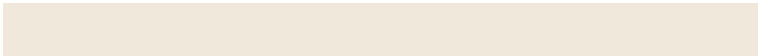
Harmonies

Analogous

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



79.7801, 81.9176, 80.0781



77.8603, 81.9176, 78.7258



75.9715, 81.9176, 80.0779

Triad

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



77.8603, 81.9176, 78.7258



74.6083, 81.9176, 94.7596



81.2052, 81.9176, 94.7600

Complementary

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



77.8603, 81.9176, 78.7258



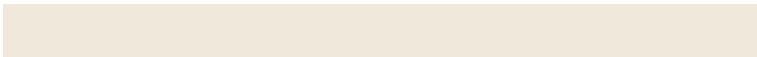
72.1378, 75.7427, 93.2567

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.



79.7799, 81.9176, 98.9776



77.8603, 81.9176, 78.7258



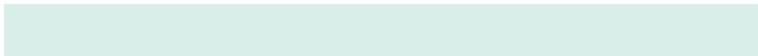
75.9714, 81.9176, 98.9774

Square

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



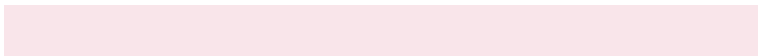
77.8603, 81.9176, 78.7258



74.1135, 81.9176, 89.1941



77.8601, 81.9176, 100.5521



81.7311, 81.9176, 89.1946

Rectangle

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



77.8603, 81.9176, 78.7258



74.9791, 81.9176, 82.3653



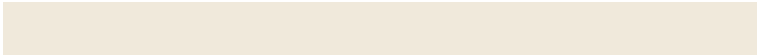
77.8601, 81.9176, 100.5521



80.8142, 81.9176, 96.3908

Sweetspot

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



77.8626, 81.9212, 78.7276



93.0350, 97.9019, 102.2726



74.9952, 74.6804, 82.4147



19.8002, 20.8365, 21.5208



0.0000, 0.0000, 0.0000



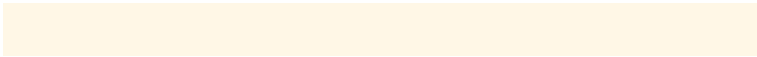
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8626, 81.9212, 78.7276



88.5625, 93.1646, 87.8101



78.7056, 85.3542, 79.3458



16.6535, 17.5202, 16.6537



26.6851, 24.1683, 3.2585



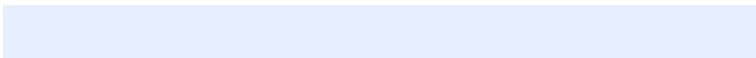
2.3109, 2.1926, 0.3014

Inverse Universe

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



72.1378, 75.7427, 93.2567



81.0958, 85.1062, 106.7607



71.3384, 72.5642, 92.6853



15.3274, 16.0890, 20.0193



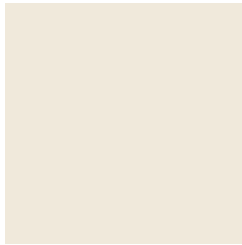
10.2872, 6.7986, 45.8979



0.9439, 0.7418, 3.8476

Previews

White Background



This preview shows how the XYZ color 77.8603, 81.9176, 78.7258 looks on a white background.

Color Contrast Check

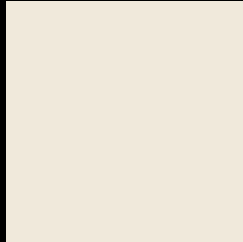
Large Text (above 18pt) WCAG AA × Fail

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 77.8603, 81.9176, 78.7258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

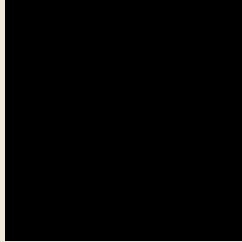
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8603, 81.9176, 78.7258

Background



This preview shows how black text looks on a background with the XYZ color 77.8603, 81.9176, 78.7258.



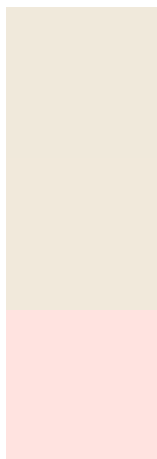
This preview shows how white text looks on a background with the XYZ color 77.8603, 81.9176,

78.7258.

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

77.8603, 81.9176, 78.7258

Protanopia

78.2007, 82.0931, 78.7418

Deuteranopia

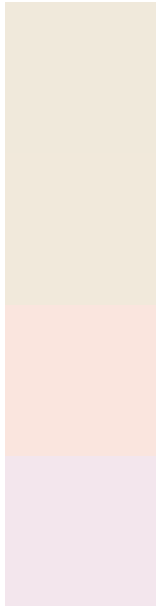
82.1636, 81.5800, 81.9370



Tritanopia

82.1160, 81.9871, 99.4928

Trichromacy



Original Color

77.8603, 81.9176, 78.7258

Protanomaly

78.2007, 82.0931, 78.7418

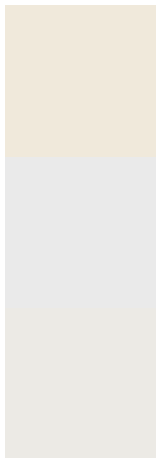
Deuteranomaly

80.6285, 81.6365, 80.6151

Tritanomaly

80.5450, 81.7627, 91.6574

Monochromacy



Original Color

77.8603, 81.9176, 78.7258

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.1577, 82.3356, 85.9018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8603, 81.9176, 78.7258 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, 233, 219) looks like.

```
.text, #text, p{  
    color:rgb(240, 233, 219)  
}
```

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, 233, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 233, 219) }
```

Border

The CSS property to change the border of an element to XYZ 77.8603, 81.9176, 78.7258 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, 233, 219) }
```


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

```
.border{ border-color:rgb(240, 233, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 233, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 233, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 233, 219);  
box-shadow:4px 4px 4px 4px rgb(240, 233,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8603, 81.9176, 78.7258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 233, 219) }
```

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

```
.background{ background-color: rgb(240,  
233, 219) }
```

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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