

Converting Colors

XYZ(78.7505, 83.2655, 76.6179)

Have a look what the booklet for
XYZ(78.7505, 83.2655, 76.6179)
contains.

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Color

**XYZ(78.7210, 83.2518,
76.8859)**

Conversions

Conversions Part 1

Format	Color
Hex	F2EBD8
RGB	242, 235, 216
RGB Percent	95%, 92%, 85%
CMY	0.0510, 0.0784, 0.1529
CMYK	0.00, 0.03, 0.11, 0.05
HSL	44°, 50%, 90%
HSV	44°, 11%, 95%
XYZ	78.7210, 83.2518, 76.8859
YIQ	234.9270, 10.2710, -4.4250

Conversions

Conversions Part 2

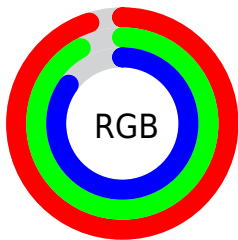
Format	Color
R_{YB}	226, 242, 216
Decimal	15920088
CIE Lab	93.12, -0.81, 10.05
CIE LCh	93, 10.080, 94.600
Yxy	83.2518, 0.3296, 0.3485
Android (android.graphics.Color)	4294110168 (0xFFFF2EBD8)
YUV	234.9270, -9.3310, 6.2030
Hunter-Lab	91.2424, -5.6702, 13.9087

Details

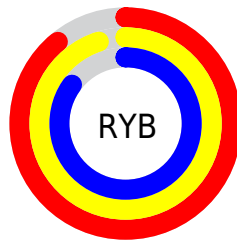
The XYZ color **78.7210, 83.2518, 76.8859** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.7335, 73.7838, 94.5190**, and the grayscale version is **78.9754, 83.0882, 90.4831**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8028, 45.2525, 40.1969** is the 20% darker color. If you saturate the color by 10%, you get **73.9905, 78.4338, 60.9935**, and if you desaturate by 10%, it is **83.9851, 88.3979, 95.2314**.

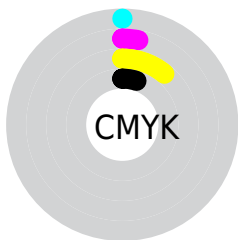
Distribution



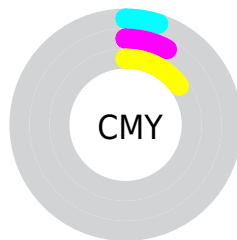
- Red (95%)
- Green (92%)
- Blue (85%)



- Red (89%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (5%)



- Cyan (5%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7210, 83.2518, 76.8859 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 78.7210, 83.2518, 76.8859 by changing the saturation by 10% instead.

78.7210, 83.2518,
76.8859

78.7210, 83.2518,
76.8859

479.4144,
505.8253, 503.8022

58.9713, 62.3979,
56.6482

130.5260,
137.9281, 130.7499

42.8363, 45.3543,
40.3154

163.3120,
172.5192, 165.2134

29.9506, 31.7366,
27.4689

201.1742,
212.4583, 205.2559

19.9490, 21.1604,
17.6901

244.4778,
258.1296, 251.2959

12.4660, 13.2413,
10.5606

293.5883,
309.9175, 303.7520

7.1364, 7.5949,
5.6618

348.8710,

3.5946, 3.8368,

368.2065, 363.0427

2.5751

410.6912,
433.3810, 429.5866

■ 1.4755, 1.5827,
0.8796

■ 0.3090, 0.3459,
0.0000

■ 78.7210, 83.2518,
76.8859

■ 78.7210, 83.2518,
76.8859

■ 73.9905, 78.4338,
60.9935

■ 83.9851, 88.3979,
95.2314

■ 69.7661, 73.9236,
47.4431

■ 88.2444, 93.2496,
107.9557

■ 66.0277, 69.7146,
36.1226

■ 90.2816, 97.3239,
108.6348

■ 62.7512, 65.7961,
26.9088

■ 90.4284, 97.6175,
108.6837

■ 59.9103, 62.1563,
19.6665

■ 57.4755, 58.7821,
14.2446

■ 55.4132, 55.6590,
10.4700

■ 53.6834, 52.7695,
8.1356

■ 52.3187, 50.2781,
6.9472

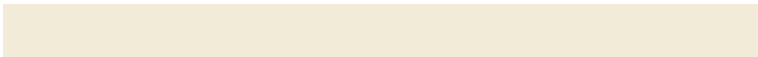
Harmonies

Analogous

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



81.3306, 83.2518, 78.1122



78.7210, 83.2518, 76.8859



76.2745, 83.2518, 79.1752

Triad

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



78.7210, 83.2518, 76.8859



75.0142, 83.2518, 99.1748



83.8135, 83.2518, 97.0412

Complementary

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



78.7210, 83.2518, 76.8859



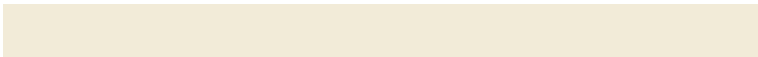
70.7335, 73.7838, 94.5190

Split Complementary

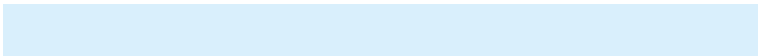
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0525, 83.2518, 103.1767



78.7210, 83.2518, 76.8859



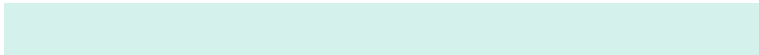
76.9662, 83.2518, 104.4559

Square

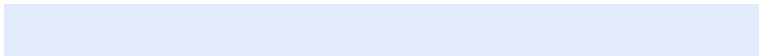
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7210, 83.2518, 76.8859



74.1649, 83.2518, 91.8207



79.5371, 83.2518, 105.9594



84.3084, 83.2518, 89.4835

Rectangle

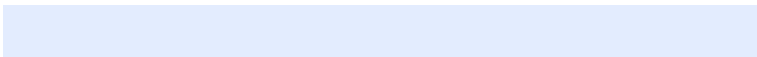
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7210, 83.2518, 76.8859



75.0535, 83.2518, 82.4663



79.5371, 83.2518, 105.9594



83.3481, 83.2518, 99.3517

Sweetspot

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



78.7233, 83.2555, 76.8877



93.1895, 98.2108, 102.3241



74.5437, 73.3377, 80.2994



19.8420, 20.9200, 21.5347



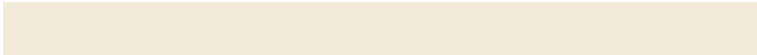
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



78.7233, 83.2555, 76.8877



87.3851, 92.4866, 82.2479



78.8618, 86.3588, 77.4794



16.7423, 17.6976, 16.6833



28.2244, 27.2470, 3.7716



2.4296, 2.4299, 0.3410

Inverse Universe

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



70.7335, 73.7838, 94.5190



76.6396, 79.7486, 105.9614



70.5960, 70.9955, 93.9880



15.2432, 15.9206, 19.9912



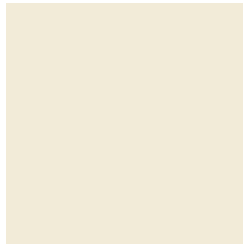
9.7249, 5.6740, 45.7105



0.8884, 0.6308, 3.8292

Previews

White Background



This preview shows how the XYZ color 78.7210, 83.2518, 76.8859 looks on a white background.

Color Contrast Check

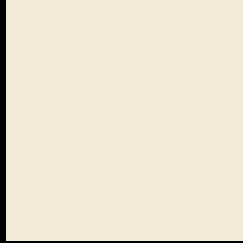
Large Text (above 18pt) WCAG AA × Fail

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 78.7210, 83.2518, 76.8859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

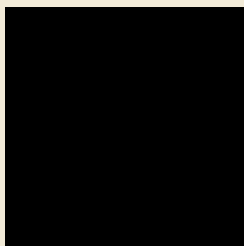
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

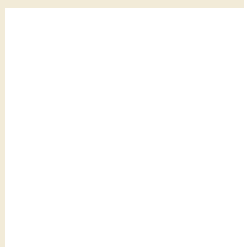
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.7210, 83.2518, 76.8859

Background



This preview shows how black text looks on a background with the XYZ color 78.7210, 83.2518, 76.8859.



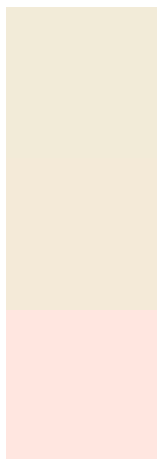
This preview shows how white text looks on a background with the XYZ color 78.7210, 83.2518,

76.8859.

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

78.7210, 83.2518, 76.8859

Protanopia

79.1257, 83.0366, 76.8230

Deuteranopia

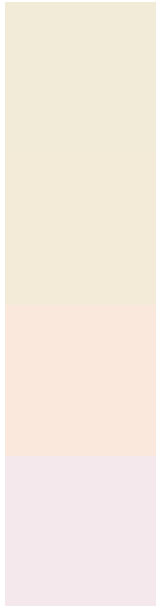
82.9914, 83.2354, 82.2129



Tritanopia

83.5979, 83.1451, 100.4495

Trichromacy



Original Color

78.7210, 83.2518, 76.8859

Protanomaly

78.7796, 82.8582, 76.8068

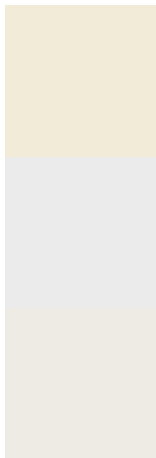
Deuteranomaly

81.3321, 83.2577, 80.1903

Tritanomaly

81.6531, 83.1818, 91.1090

Monochromacy



Original Color

78.7210, 83.2518, 76.8859

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.9718, 83.1952, 85.2948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7210, 83.2518, 76.8859 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, 235, 216) looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 216)  
}
```

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, 235, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 216) }
```

Border

The CSS property to change the border of an element to XYZ 78.7210, 83.2518, 76.8859 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, 235, 216) }
```


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

```
.border{ border-color:rgb(242, 235, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 235, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 216);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7210, 83.2518, 76.8859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 216) }
```

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

```
.background{ background-color: rgb(242,  
235, 216) }
```

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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