

Converting Colors

XYZ(78.1044, 83.0356, 80.4691)

Have a look what the booklet for
XYZ(78.1044, 83.0356, 80.4691)
contains.

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Color

**XYZ(78.0194, 82.8143,
80.2793)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEEBD
RGB	238, 235, 221
RGB Percent	93%, 92%, 87%
CMY	0.0667, 0.0784, 0.1333
CMYK	0.00, 0.01, 0.07, 0.07
HSL	49°, 33%, 90%
HSV	49°, 7%, 93%
XYZ	78.0194, 82.8143, 80.2793
YIQ	234.3010, 6.2820, -3.7180

Conversions

Conversions Part 2

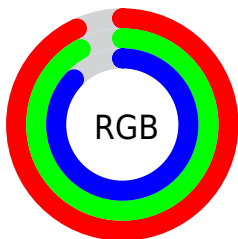
Format	Color
R _Y B	225, 238, 221
Decimal	15657949
CIE Lab	92.93, -1.38, 7.14
CIE LCh	93, 7.268, 100.964
Yxy	82.8143, 0.3236, 0.3435
Android (android.graphics.Color)	4293848029 (0xFFEEEBDD)
YUV	234.3010, -6.5574, 3.2440
Hunter-Lab	91.0024, -6.2201, 11.3980

Details

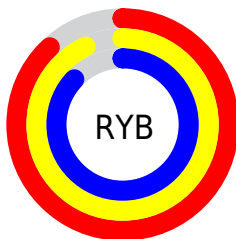
The XYZ color **78.0194, 82.8143, 80.2793** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.9070, 74.8553, 91.5485**, and the grayscale version is **78.4815, 82.5687, 89.9173**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2944, 44.9385, 42.5212** is the 20% darker color. If you saturate the color by 10%, you get **73.8848, 79.2645, 64.3500**, and if you desaturate by 10%, it is **82.6365, 86.6077, 98.5892**.

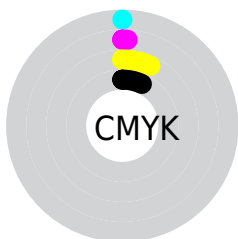
Distribution



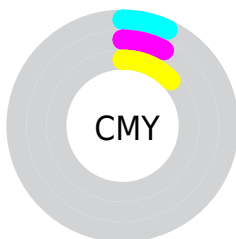
- Red (93%)
- Green (92%)
- Blue (87%)



- Red (88%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0194, 82.8143, 80.2793 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 78.0194, 82.8143, 80.2793 by changing the saturation by 10% instead.

■ 78.0194, 82.8143,
80.2793

■ 78.0194, 82.8143,
80.2793

477.0715,
504.3674, 515.6052

■ 58.3928, 62.0370,
59.4207

129.5427,
137.3153, 135.5733

■ 42.3690, 45.0626,
42.5296

162.1700,
171.8078, 170.8457

■ 29.5827, 31.5067,
29.1876

199.8617,
211.6409, 211.7599

■ 19.6685, 20.9850,
18.9760

242.9830,
257.1988, 258.7343

■ 12.2612, 13.1130,
11.4763

291.8992,
308.8660, 312.1875

■ 6.9953, 7.5064,
6.2700

346.9758,

■ 3.5055, 3.7808,

367.0269, 372.5380

2.9385

408.5781,
432.0659, 440.2044

■ 1.4264, 1.5517,
1.0633

■ 0.2749, 0.3247,
0.0000

■ 78.0194, 82.8143,
80.2793

■ 78.0194, 82.8143,
80.2793

■ 73.8848, 79.2645,
64.3500

■ 82.6365, 86.6077,
98.5892

■ 70.2069, 75.9397,
50.6967

■ 85.4787, 89.7342,
107.4230

■ 66.9675, 72.8350,
39.2151

■ 86.7509, 92.2784,
107.8470

■ 64.1447, 69.9413,
29.7907

■ 88.0519, 94.8805,
108.2807

■ 61.7146, 67.2487,
22.2982

■ 89.0703, 96.9174,
108.6202

■ 59.6507, 64.7463,
16.5989

■ 57.9227, 62.4217,
12.5353

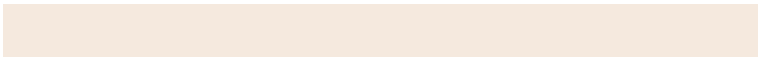
■ 56.4956, 60.2605,
9.9227

■ 55.3235, 58.2441,
8.5217

Harmonies

Analogous

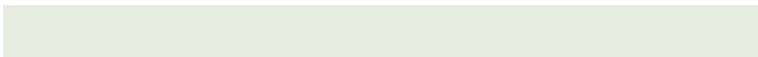
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9107, 82.8143, 80.6328



78.0194, 82.8143, 80.2793



76.3405, 82.8143, 82.4948

Triad

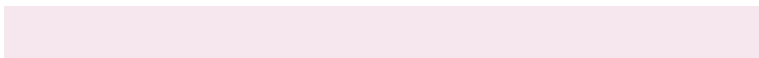
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0194, 82.8143, 80.2793



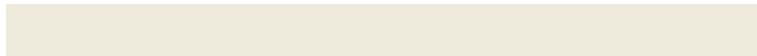
75.9846, 82.8143, 97.2088



82.2185, 82.8143, 93.6283

Complementary

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



78.0194, 82.8143, 80.2793



71.9070, 74.8553, 91.5485

Split Complementary

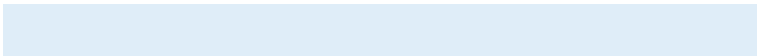
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1331, 82.8143, 98.3085



78.0194, 82.8143, 80.2793



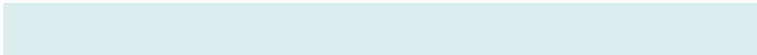
77.5263, 82.8143, 100.4326

Square

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



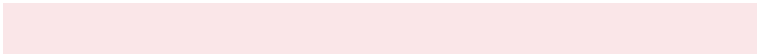
78.0194, 82.8143, 80.2793



75.1784, 82.8143, 92.1762



79.4097, 82.8143, 100.8429



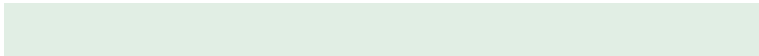
82.3557, 82.8143, 88.1944

Rectangle

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



78.0194, 82.8143, 80.2793



75.5599, 82.8143, 85.1848



79.4097, 82.8143, 100.8429



81.9517, 82.8143, 95.3475

Sweetspot

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



78.0217, 82.8179, 80.2811



93.9536, 99.1038, 104.5374



74.5878, 75.2794, 81.2043



20.1215, 21.2217, 22.4210



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.



78.0217, 82.8179, 80.2811



90.2961, 96.0560, 90.1627



77.1060, 83.6298, 80.4861



16.8722, 17.9575, 16.7266



30.7782, 32.3544, 4.6228



2.6219, 2.8145, 0.4051

Inverse Universe

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



71.9070, 74.8553, 91.5485



81.3674, 84.4292, 106.6157



72.7746, 74.1180, 91.3604



15.1224, 15.6790, 19.9509



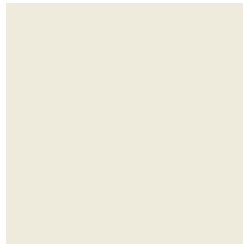
9.1359, 4.4960, 45.5142



0.8236, 0.5011, 3.8075

Previews

White Background



This preview shows how the XYZ color 78.0194, 82.8143, 80.2793 looks on a white background.

Color Contrast Check

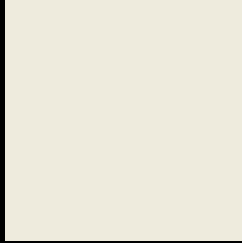
Large Text (above 18pt) WCAG AA × Fail

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 78.0194, 82.8143, 80.2793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

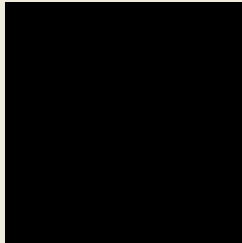
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

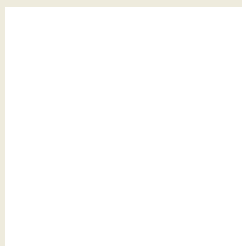
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.0194, 82.8143, 80.2793

Background



This preview shows how black text looks on a background with the XYZ color 78.0194, 82.8143, 80.2793.



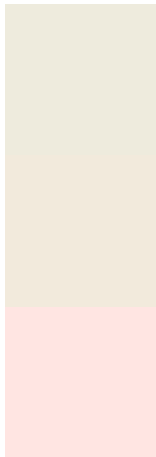
This preview shows how white text looks on a background with the XYZ color 78.0194, 82.8143,

80.2793.

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

78.0194, 82.8143, 80.2793

Protanopia

78.9590, 82.8902, 79.5480

Deuteranopia

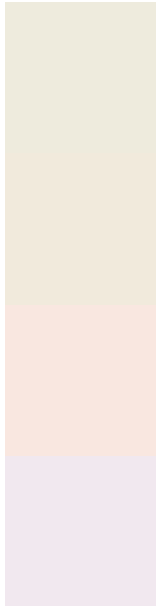
82.9868, 82.7896, 83.5576



Tritanopia

82.2927, 82.8686, 101.2805

Trichromacy



Original Color

78.0194, 82.8143, 80.2793

Protanomaly

78.6167, 82.7137, 79.5319

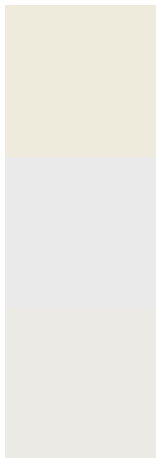
Deuteranomaly

81.0974, 82.6734, 82.2043

Tritanomaly

80.7122, 82.6460, 93.3596

Monochromacy



Original Color

78.0194, 82.8143, 80.2793

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.8266, 82.1649, 85.8863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0194, 82.8143, 80.2793 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(238, 235, 221) looks like.

```
.text, #text, p{  
    color:rgb(238, 235, 221)  
}
```

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(238, 235, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 235, 221) }
```

Border

The CSS property to change the border of an element to XYZ 78.0194, 82.8143, 80.2793 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(238, 235, 221) }
```


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

```
.border{ border-color:rgb(238, 235, 221) }
```

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

Here you see how a box with a 4 pixel rgb(238, 235, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 235, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 235, 221);  
box-shadow:4px 4px 4px 4px rgb(238, 235,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0194, 82.8143, 80.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 235, 221) }
```

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

```
.background{ background-color: rgb(238,  
235, 221) }
```

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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