

Converting Colors

XYZ(78.4369, 83.5062, 80.0421)

Have a look what the booklet for
XYZ(78.4369, 83.5062, 80.0421)
contains.

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Color

**XYZ(78.6432, 83.5621,
80.3908)**

Conversions

Conversions Part 1

Format	Color
Hex	EFECDD
RGB	239, 236, 221
RGB Percent	94%, 93%, 87%
CMY	0.0627, 0.0745, 0.1333
CMYK	0.00, 0.01, 0.08, 0.06
HSL	50°, 36%, 90%
HSV	50°, 8%, 94%
XYZ	78.6432, 83.5621, 80.3908
YIQ	235.1870, 6.6030, -4.0290

Conversions

Conversions Part 2

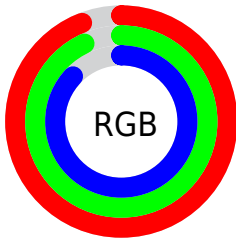
Format	Color
R_{YB}	225, 239, 221
Decimal	15723741
CIE Lab	93.26, -1.55, 7.62
CIE LCh	93, 7.771, 101.482
Yxy	83.5621, 0.3242, 0.3444
Android (android.graphics.Color)	4293913821 (0xFFEFECDD)
YUV	235.1870, -6.9942, 3.3440
Hunter-Lab	91.4123, -6.4057, 11.8472

Details

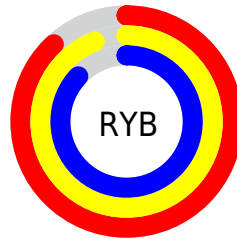
The XYZ color **78.6432, 83.5621, 80.3908** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **72.0544, 74.9142, 92.3244**, and the grayscale version is **79.1581, 83.2805, 90.6925**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7326, 45.4630, 42.5994** is the 20% darker color. If you saturate the color by 10%, you get **74.5514, 80.1161, 64.4191**, and if you desaturate by 10%, it is **83.2185, 87.2477, 98.7621**.

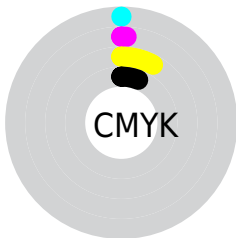
Distribution



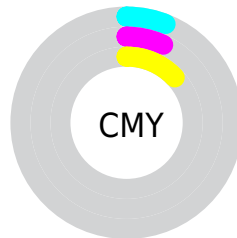
- Red (94%)
- Green (93%)
- Blue (87%)



- Red (88%)
- Yellow (94%)
- Blue (87%)



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (6%)





- Cyan (6%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6432, 83.5621, 80.3908 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 78.6432, 83.5621, 80.3908 by changing the saturation by 10% instead.


 78.6432, 83.5621,
80.3908

 78.6432, 83.5621,
80.3908


479.1549,
506.8579, 515.9903

 58.9071, 62.6540,
59.5119


130.4170,
138.3625, 135.7314

 42.7844, 45.5613,
42.6026

163.1855,
173.0235, 171.0302

 29.9098, 31.8998,
29.2444


201.0287,
213.0375, 211.9728

 19.9179, 21.2850,
19.0186

244.3122,
258.7891, 258.9776

 12.4433, 13.3325,
11.5068

293.4012,
310.6625, 312.4632

 7.1207, 7.6579,
6.2903

348.6611,

 3.5847, 3.8768,

369.0422, 372.8482

2.9508

410.4572,
434.3126, 440.5510

■ 1.4700, 1.6049,
1.0696

■ 0.3053, 0.3609,
0.0000

■ 78.6432, 83.5621,
80.3908

■ 78.6432, 83.5621,
80.3908

■ 74.5514, 80.1161,
64.4191

■ 83.2185, 87.2477,
98.7621

■ 70.9169, 76.8909,
50.7412

■ 85.9857, 90.2484,
107.4955

■ 67.7215, 73.8817,
39.2514

■ 87.1952, 92.6673,
107.8986

■ 64.9430, 71.0792,
29.8335

■ 88.4306, 95.1382,
108.3105

■ 62.5571, 68.4735,
22.3607

■ 89.4070, 97.0909,
108.6359

■ 60.5370, 66.0535,
16.6919

■ 58.8520, 63.8068,
12.6674

■ 57.4664, 61.7188,
10.0991

■ 56.3324, 59.7701,
8.7372

Harmonies

Analogous

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



80.6784, 83.5621, 80.7205



78.6432, 83.5621, 80.3908



76.8474, 83.5621, 82.8077

Triad

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



78.6432, 83.5621, 80.3908



76.5142, 83.5621, 98.6488



83.2099, 83.5621, 94.6079

Complementary

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



78.6432, 83.5621, 80.3908



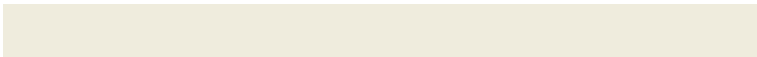
72.0544, 74.9142, 92.3244

Split Complementary

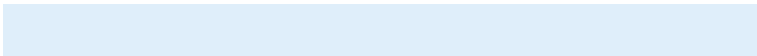
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0560, 83.5621, 99.6834



78.6432, 83.5621, 80.3908



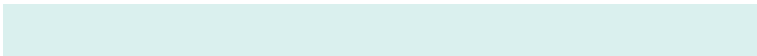
78.1812, 83.5621, 102.0846

Square

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



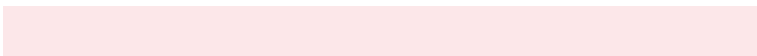
78.6432, 83.5621, 80.3908



75.6324, 83.5621, 93.2448



80.2085, 83.5621, 102.4712



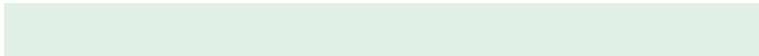
83.3387, 83.5621, 88.7619

Rectangle

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



78.6432, 83.5621, 80.3908



76.0186, 83.5621, 85.7145



80.2085, 83.5621, 102.4712



82.9281, 83.5621, 96.4671

Sweetspot

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



78.6455, 83.5657, 80.3926



93.9695, 99.1356, 104.5426



74.9087, 75.4467, 81.1368



20.1247, 21.2282, 22.4221



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.



78.6455, 83.5657, 80.3926



90.3663, 96.1965, 90.1861



77.5229, 84.2781, 80.5893



16.8860, 17.9851, 16.7312



31.0704, 32.9389, 4.7203



2.6436, 2.8579, 0.4123

Inverse Universe

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



72.0544, 74.9142, 92.3244



81.3027, 84.2997, 106.5941



73.1161, 74.2771, 92.1455



15.1098, 15.6537, 19.9467



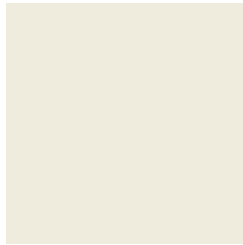
9.0882, 4.4007, 45.4983



0.8176, 0.4892, 3.8055

Previews

White Background



This preview shows how the XYZ color 78.6432, 83.5621, 80.3908 looks on a white background.

Color Contrast Check

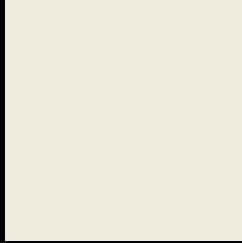
Large Text (above 18pt) WCAG AA × Fail

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 78.6432, 83.5621, 80.3908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

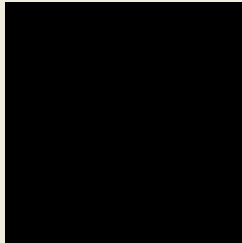
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

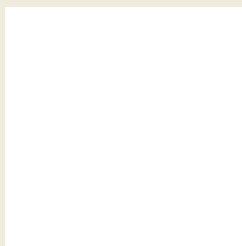
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.6432, 83.5621, 80.3908

Background



This preview shows how black text looks on a background with the XYZ color 78.6432, 83.5621, 80.3908.



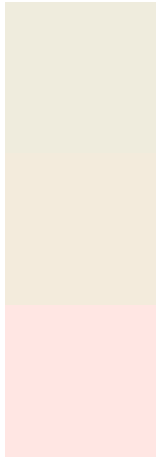
This preview shows how white text looks on a background with the XYZ color 78.6432, 83.5621,

80.3908.

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

78.6432, 83.5621, 80.3908

Protanopia

79.5887, 83.6387, 79.6592

Deuteranopia

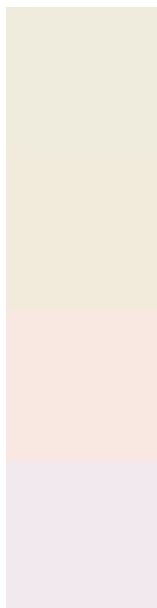
83.4019, 83.3997, 84.3750



Tritanopia

83.0741, 83.6700, 102.2139

Trichromacy



Original Color

78.6432, 83.5621, 80.3908

Protanomaly

79.2445, 83.4612, 79.6431

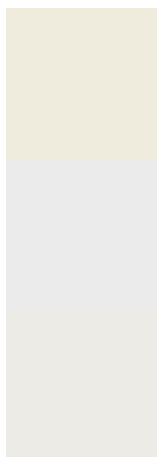
Deuteranomaly

81.5141, 83.2892, 83.0143

Tritanomaly

81.3369, 83.3871, 93.4698

Monochromacy



Original Color

78.6432, 83.5621, 80.3908

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.5833, 82.9627, 86.7345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6432, 83.5621, 80.3908 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(239, 236, 221) looks like.

```
.text, #text, p{  
    color:rgb(239, 236, 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(239, 236, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 236, 221) }
```

Border

The CSS property to change the border of an element to XYZ 78.6432, 83.5621, 80.3908 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(239, 236, 221) }
```


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

```
.border{ border-color:rgb(239, 236, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 236, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 236, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 236, 221);  
box-shadow:4px 4px 4px 4px rgb(239, 236,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6432, 83.5621, 80.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 236, 221) }
```

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

```
.background{ background-color: rgb(239,  
236, 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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