

Converting Colors

XYZ(77.8328, 83.8914, 82.7340)

Have a look what the booklet for
XYZ(77.8328, 83.8914, 82.7340)
contains.

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Color

**XYZ(77.9608, 84.0233,
82.6302)**

Conversions

Conversions Part 1

Format	Color
Hex	EAEED0
RGB	234, 238, 224
RGB Percent	92%, 93%, 88%
CMY	0.0823, 0.0666, 0.1216
CMYK	0.02, 0.00, 0.06, 0.07
HSL	77°, 29%, 91%
HSV	77°, 6%, 93%
XYZ	77.9608, 84.0233, 82.6302
YIQ	235.2080, 2.1100, -5.2020

Conversions

Conversions Part 2

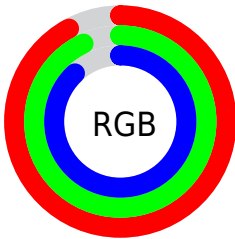
Format	Color
RYB	224, 238, 228
Decimal	15396576
CIELab	93.46, -3.77, 6.30
CIElCh	93, 7.342, 120.927
Yxy	84.0233, 0.3187, 0.3435
Android (android.graphics.Color)	4293586656 (0xFFEAE0)
YUV	235.2080, -5.5255, -1.0594
Hunter-Lab	91.6642, -8.5974, 10.7183

Details

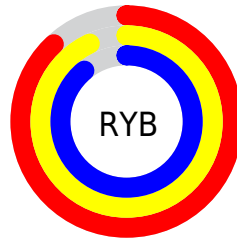
The XYZ color **77.9608, 84.0233, 82.6302** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.0864, 75.9806, 91.6542**, and the grayscale version is **79.1657, 83.2885, 90.7012**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2495, 45.7854, 44.1468** is the 20% darker color. If you saturate the color by 10%, you get **72.7655, 81.6947, 66.7005**, and if you desaturate by 10%, it is **83.6985, 86.5842, 100.9473**.

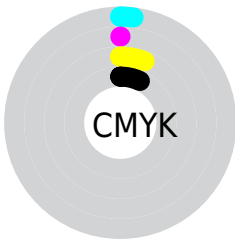
Distribution



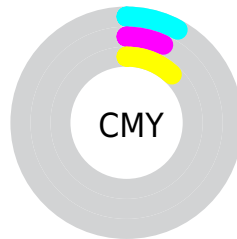
- Red (92%)
- Green (93%)
- Blue (88%)



- Red (88%)
- Yellow (93%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9608, 84.0233, 82.6302 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 77.9608, 84.0233, 82.6302 by changing the saturation by 10% instead.

■ 77.9608, 84.0233,
82.6302

■ 77.9608, 84.0233,
82.6302

476.8755,
508.3906, 523.6919

■ 58.3444, 63.0347,
61.3463

129.4605,
139.0078, 138.9020

■ 42.3300, 45.8693,
44.0723

162.0746,
173.7724, 174.7270

■ 29.5520, 32.1427,
30.3898

199.7520,
213.8978, 216.2361

■ 19.6452, 21.4705,
19.8801

242.8580,
259.7684, 263.8478

■ 12.2441, 13.4683,
12.1247

291.7580,
311.7686, 317.9807

■ 6.9836, 7.7518,
6.7051

346.8173,

■ 3.4981, 3.9366,

370.2828, 379.0533

3.2027

408.4014,
435.6953, 447.4842

■ 1.4223, 1.6381,
1.1991

■ 0.2720, 0.3831,
0.0000

■ 77.9608, 84.0233,
82.6302

■ 77.9608, 84.0233,
82.6302

■ 72.7655, 81.6947,
66.7005

■ 83.6985, 86.5842,
100.9473

■ 68.0859, 79.5795,
53.0543

■ 87.2002, 88.2580,
107.0473

■ 63.9036, 77.6729,
41.5884

■ 89.6522, 89.5221,
107.1620

■ 60.1960, 75.9657,
32.1893

■ 89.8662, 89.6323,
107.1721

■ 56.9385, 74.4481,
24.7333

■ 54.1043, 73.1091,
19.0835

■ 51.6628, 71.9365,
15.0853

■ 49.5788, 70.9159,
12.5582

■ 47.8088, 70.0299,
11.2787

Harmonies

Analogous

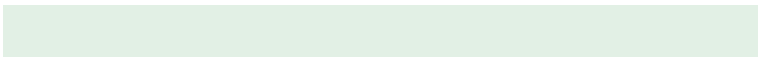
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8013, 84.0233, 81.2211



77.9608, 84.0233, 82.6302



76.6473, 84.0233, 86.3963

Triad

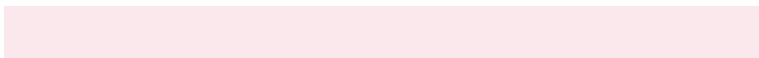
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9608, 84.0233, 82.6302



78.0637, 84.0233, 101.1399



83.6476, 84.0233, 91.3144

Complementary

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



77.9608, 84.0233, 82.6302



74.0864, 75.9806, 91.6542

Split Complementary

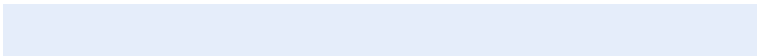
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1646, 84.0233, 96.7740



77.9608, 84.0233, 82.6302



79.9220, 84.0233, 102.5836

Square

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



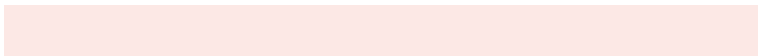
77.9608, 84.0233, 82.6302



76.7060, 84.0233, 97.0851



81.7931, 84.0233, 100.9553



83.1026, 84.0233, 86.1085

Rectangle

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



77.9608, 84.0233, 82.6302



76.2364, 84.0233, 89.8138



81.7931, 84.0233, 100.9553



83.6000, 84.0233, 93.1811

Sweetspot

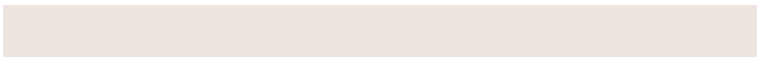
The Sweet Spot groups the original color and five complimentary colors.



77.9631, 84.0269, 82.6320



93.7052, 99.4003, 104.6077



76.4516, 79.0301, 81.7472



20.0709, 21.2821, 22.4353



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.



77.9631, 84.0269, 82.6320



90.4551, 97.9480, 94.3741



75.7209, 82.8710, 82.5271



16.8779, 18.3178, 17.4729



26.4335, 38.9485, 6.1246



2.2964, 3.2904, 0.5141

Inverse Universe

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



74.0864, 75.9806, 91.6542



85.0828, 86.7975, 106.8770



76.3411, 77.1430, 91.7597



15.7958, 16.0719, 19.9913



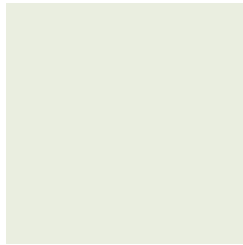
10.0518, 4.1873, 45.4063



0.9306, 0.3970, 3.7818

Previews

White Background



This preview shows how the XYZ color 77.9608, 84.0233, 82.6302 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 77.9608, 84.0233, 82.6302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

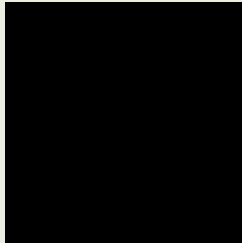
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

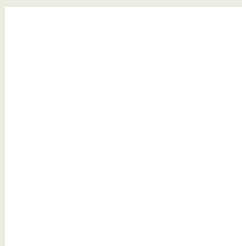
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9608, 84.0233, 82.6302

Background



This preview shows how black text looks on a background with the XYZ color 77.9608, 84.0233, 82.6302.



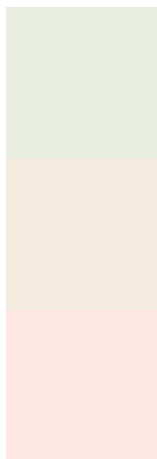
This preview shows how white text looks on a background with the XYZ color 77.9608, 84.0233,

82.6302.

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

77.9608, 84.0233, 82.6302

Protanopia

79.8553, 83.7453, 81.0629

Deuteranopia

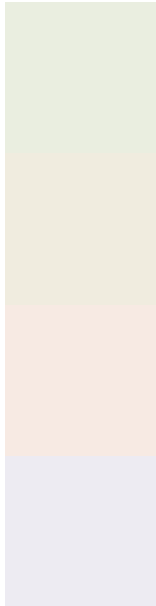
83.9588, 84.0690, 85.9306



Tritanopia

82.2534, 84.0511, 103.9837

Trichromacy



Original Color

77.9608, 84.0233, 82.6302

Protanomaly

79.2499, 83.8439, 81.8186

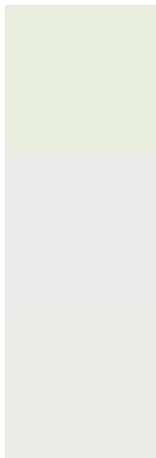
Deuteranomaly

81.6457, 84.1658, 84.6155

Tritanomaly

80.6604, 83.8320, 95.9343

Monochromacy



Original Color

77.9608, 84.0233, 82.6302

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6802, 83.4226, 87.5566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9608, 84.0233, 82.6302 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(234, 238, 224) looks like.

```
.text, #text, p{  
    color:rgb(234, 238, 224)  
}
```

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(234, 238, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 238, 224) }
```

Border

The CSS property to change the border of an element to XYZ 77.9608, 84.0233, 82.6302 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(234, 238, 224) }
```


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

```
.border{ border-color:rgb(234, 238, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 238, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 238, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 238, 224);  
box-shadow:4px 4px 4px 4px rgb(234, 238,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9608, 84.0233, 82.6302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 238, 224) }
```

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

```
.background{ background-color: rgb(234,  
238, 224) }
```

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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