

Converting Colors

XYZ(78.1929, 81.8709, 86.3508)

Have a look what the booklet for
XYZ(78.1929, 81.8709, 86.3508)
contains.

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Color

**XYZ(78.3469, 81.9955,
86.5603)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE9E6
RGB	237, 233, 230
RGB Percent	93%, 91%, 90%
CMY	0.0706, 0.0863, 0.0980
CMYK	0.00, 0.02, 0.03, 0.07
HSL	26°, 16%, 92%
HSV	26°, 3%, 93%
XYZ	78.3469, 81.9955, 86.5603
YIQ	233.8540, 3.3470, -0.0850

Conversions

Conversions Part 2

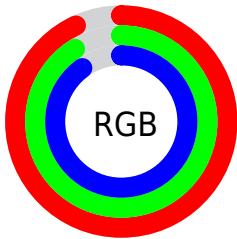
Format	Color
R _Y B	237, 235, 230
Decimal	15591910
CIE Lab	92.57, 0.82, 1.92
CIE LCh	93, 2.089, 66.759
Yxy	81.9955, 0.3173, 0.3321
Android (android.graphics.Color)	4293781990 (0xFFE9E6)
YUV	233.8540, -1.9000, 2.7590
Hunter-Lab	90.5514, -4.0230, 6.7092

Details

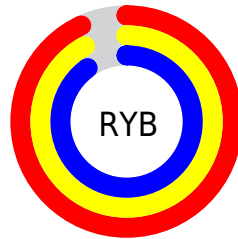
The XYZ color **78.3469, 81.9955, 86.5603** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.3420, 81.7820, 91.8310**, and the grayscale version is **78.1104, 82.1782, 89.4921**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5161, 44.3632, 46.8796** is the 20% darker color. If you saturate the color by 10%, you get **71.5588, 73.3876, 68.9784**, and if you desaturate by 10%, it is **85.8859, 91.3788, 106.6270**.

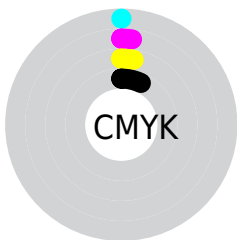
Distribution



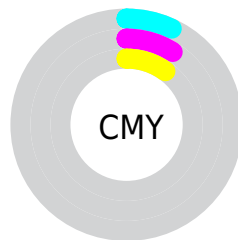
- Red (93%)
- Green (91%)
- Blue (90%)



- Red (93%)
- Yellow (92%)
- Blue (90%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3469, 81.9955, 86.5603 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 78.3469, 81.9955, 86.5603 by changing the saturation by 10% instead.

■ 78.3469, 81.9955,
86.5603

■ 78.3469, 81.9955,
86.5603

478.1659,
501.6326, 537.0556

■ 58.6628, 61.3618,
64.5738

130.0018,
136.1677, 144.4446

■ 42.5870, 44.5172,
46.6665

162.7033,
170.4750, 181.1795

■ 29.7543, 31.0773,
32.4196

200.4746,
210.1090, 223.6676

■ 19.7993, 20.6578,
21.4147

243.6811,
255.4540, 272.3275

■ 12.3567, 12.8741,
13.2333

292.6881,
306.8945, 327.5777

■ 7.0610, 7.3419,
7.4568

347.8610,

■ 3.5470, 3.6768,

364.8148, 389.8368

3.6666

409.5652,
429.5994, 459.5232

■ 1.4492, 1.4945,
1.4443

■ 0.2909, 0.2848,
0.1759

■ 78.3469, 81.9955,
86.5603

■ 78.3469, 81.9955,
86.5603

■ 71.5588, 73.3876,
68.9784

■ 85.8859, 91.3788,
106.6270

■ 65.4899, 65.5242,
53.7783

■ 88.7355, 96.7448,
108.6045

■ 60.1165, 58.3876,
40.8574

■ 55.4107, 51.9553,
30.1039

■ 51.3425, 46.2036,
21.3961

■ 47.8794, 41.1074,
14.6003

■ 44.9855, 36.6395,
9.5666

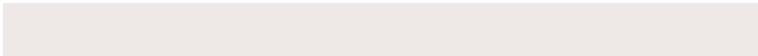
■ 42.6201, 32.7701,
6.1223

■ 40.7353, 29.4661,
4.0586

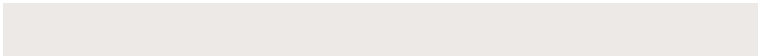
Harmonies

Analogous

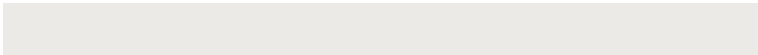
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7736, 81.9955, 87.5020



78.3469, 81.9955, 86.5603



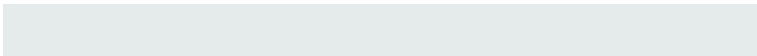
77.8115, 81.9955, 86.3432

Triad

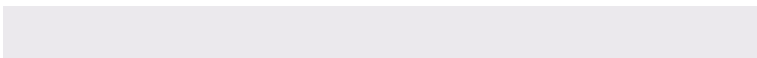
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3469, 81.9955, 86.5603



76.9022, 81.9955, 89.6315



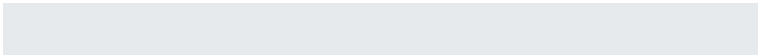
78.5606, 81.9955, 91.6957

Complementary

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



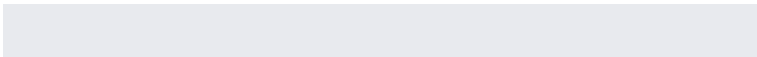
78.3469, 81.9955, 86.5603



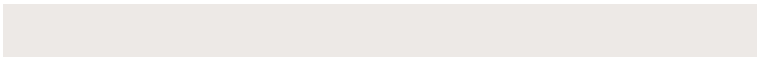
77.3420, 81.7820, 91.8310

Split Complementary

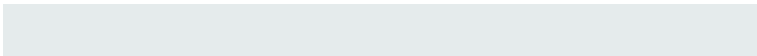
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0572, 81.9955, 92.2809



78.3469, 81.9955, 86.5603



77.1009, 81.9955, 91.0802

Square

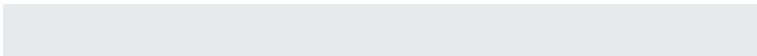
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



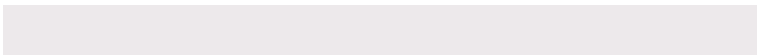
78.3469, 81.9955, 86.5603



76.9790, 81.9955, 88.1047



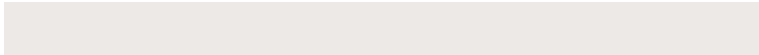
77.5231, 81.9955, 92.0544



78.8974, 81.9955, 90.4640

Rectangle

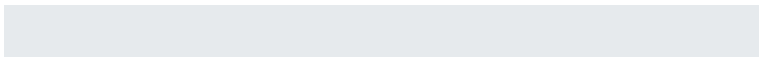
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



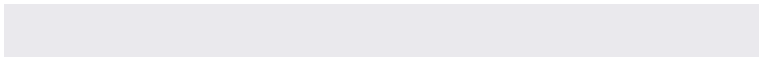
78.3469, 81.9955, 86.5603



77.4652, 81.9955, 86.6363



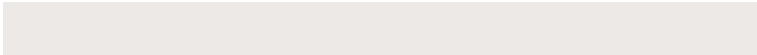
77.5231, 81.9955, 92.0544



78.4052, 81.9955, 91.9752

Sweetspot

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



78.3492, 81.9990, 86.5621



94.1795, 98.9116, 106.5978



78.0863, 80.5447, 89.3369



20.1675, 21.1826, 22.8406



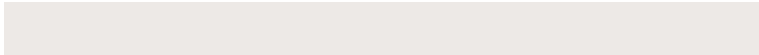
0.0000, 0.0000, 0.0000



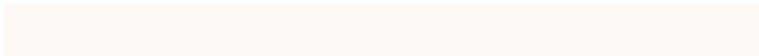
20.3446, 21.4041, 23.3091

Same Dimension

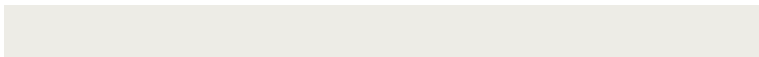
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3492, 81.9990, 86.5621



91.6214, 95.7014, 99.8695



79.3247, 83.9500, 86.8872



16.2817, 16.9838, 17.5849



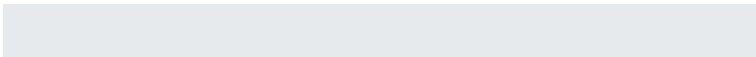
21.7707, 15.2357, 1.7933



1.8033, 1.3839, 0.1721

Inverse Universe

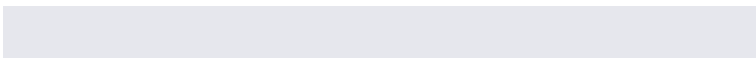
The Inverse Universe completely reimagines the original color for something new.



77.3420, 81.7820, 91.8310



90.0159, 95.3554, 108.2688



76.3798, 79.8575, 91.5103



15.9450, 16.9113, 19.3461



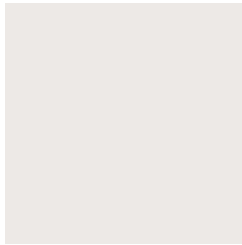
13.2310, 13.1091, 45.5759



1.1341, 1.2197, 3.6105

Previews

White Background



This preview shows how the XYZ color 78.3469, 81.9955, 86.5603 looks on a white background.

Color Contrast Check

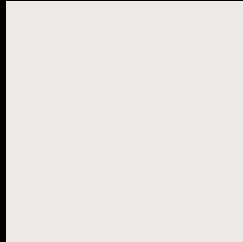
Large Text (above 18pt) WCAG AA × Fail

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 78.3469, 81.9955, 86.5603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

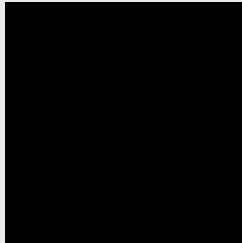
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

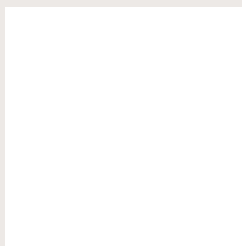
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3469, 81.9955, 86.5603

Background



This preview shows how black text looks on a background with the XYZ color 78.3469, 81.9955, 86.5603.



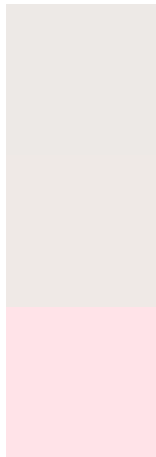
This preview shows how white text looks on a background with the XYZ color 78.3469, 81.9955,

86.5603.

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

78.3469, 81.9955, 86.5603

Protanopia

79.0184, 82.3417, 86.5917

Deuteranopia

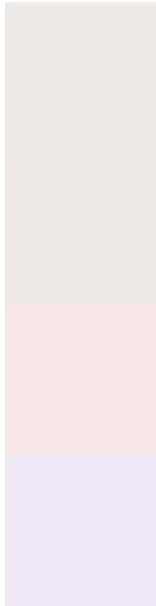
83.2746, 82.0244, 87.7872



Tritanopia

81.1753, 81.8962, 100.3361

Trichromacy



Original Color

78.3469, 81.9955, 86.5603

Protanomaly

78.6817, 82.1681, 86.5760

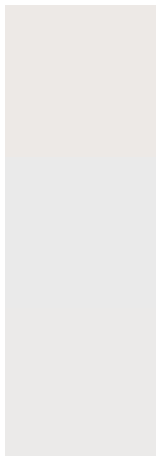
Deuteranomaly

81.1545, 81.7646, 87.1061

Tritanomaly

80.0497, 81.8534, 94.7993

Monochromacy



Original Color

78.3469, 81.9955, 86.5603

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.3917, 82.3910, 88.8622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3469, 81.9955, 86.5603 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(237, 233, 230) looks like.

```
.text, #text, p{  
    color:rgb(237, 233, 230)  
}
```

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(237, 233, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 233, 230) }
```

Border

The CSS property to change the border of an element to XYZ 78.3469, 81.9955, 86.5603 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(237, 233, 230) }
```


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

```
.border{ border-color:rgb(237, 233, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 233, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 233, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 233, 230);  
box-shadow:4px 4px 4px 4px rgb(237, 233,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3469, 81.9955, 86.5603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 233, 230) }
```

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

```
.background{ background-color: rgb(237,  
233, 230) }
```

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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