

Converting Colors

XYZ(78.3335, 82.0685, 89.6350)

Have a look what the booklet for
XYZ(78.3335, 82.0685, 89.6350)
contains.

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Color

**XYZ(78.2511, 81.8805,
89.5221)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE9EA
RGB	235, 233, 234
RGB Percent	92%, 91%, 92%
CMY	0.0784, 0.0863, 0.0823
CMYK	0.00, 0.01, 0.00, 0.08
HSL	330°, 5%, 92%
HSV	330°, 1%, 92%
XYZ	78.2511, 81.8805, 89.5221
YIQ	233.7120, 0.8710, 0.7350

Conversions

Conversions Part 2

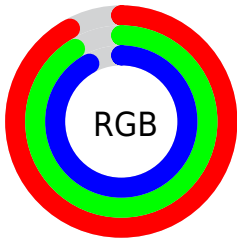
Format	Color
R _Y B	235, 233, 234
Decimal	15460842
CIE Lab	92.52, 0.85, -0.26
CIE LCh	93, 0.890, 343.207
Yxy	81.8805, 0.3134, 0.3280
Android (android.graphics.Color)	4293650922 (0xFFE9E9EA)
YUV	233.7120, 0.1420, 1.1296
Hunter-Lab	90.4878, -3.9924, 4.6843

Details

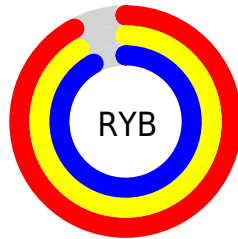
The XYZ color **78.2511, 81.8805, 89.5221** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.1669, 82.6829, 89.6856**, and the grayscale version is **77.9895, 82.0510, 89.3535**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3484, 44.2423, 48.4271** is the 20% darker color. If you saturate the color by 10%, you get **70.4016, 68.7980, 78.8368**, and if you desaturate by 10%, it is **86.6214, 95.8224, 100.9375**.

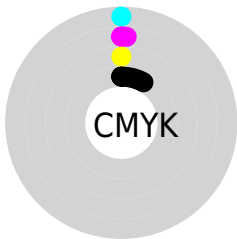
Distribution



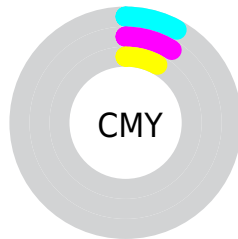
- Red (92%)
- Green (91%)
- Blue (92%)



- Red (92%)
- Yellow (91%)
- Blue (92%)



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



- Cyan (8%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2511, 81.8805, 89.5221 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 78.2511, 81.8805, 89.5221 by changing the saturation by 10% instead.

■ 78.2511, 81.8805,
89.5221

■ 78.2511, 81.8805,
89.5221

477.8459,
501.2479, 547.0050

■ 58.5838, 61.2670,
67.0129

129.8675,
136.0064, 148.6041

■ 42.5232, 44.4407,
48.6334

162.5473,
170.2876, 186.0140

■ 29.7041, 31.0171,
33.9652

200.2954,
209.8936, 229.2278

■ 19.7611, 20.6119,
22.5897

243.4769,
255.2087, 278.6641

■ 12.3287, 12.8406,
14.0884

292.4574,
306.6172, 334.7414

■ 7.0418, 7.3189,
8.0427

347.6022,

■ 3.5348, 3.6623,

364.5037, 397.8783

4.0341

409.2766,
429.2524, 468.4933

■ 1.4425, 1.4865,
1.6441

■ 0.2862, 0.2792,
0.3220

■ 78.2511, 81.8805,
89.5221

■ 78.2511, 81.8805,
89.5221

■ 70.4016, 68.7980,
78.8368

■ 86.6214, 95.8224,
100.9375

■ 63.5112, 57.4584,
69.0141

■ 88.0714, 96.4024,
108.5734

■ 57.5429, 47.7902,
60.0316

■ 52.4548, 39.7131,
51.8639

■ 48.2012, 33.1399,
44.4842

■ 44.7325, 27.9749,
37.8637

■ 41.9933, 24.1116,
31.9713

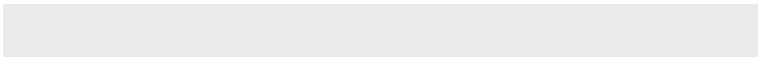
■ 39.9202, 21.4276,
26.7727

■ 38.4382, 19.7772,
22.2292

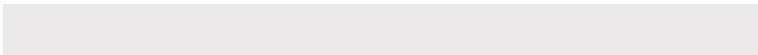
Harmonies

Analogous

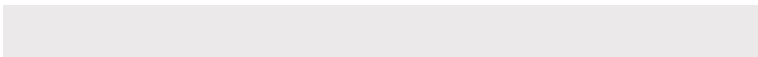
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1295, 81.8805, 90.0847



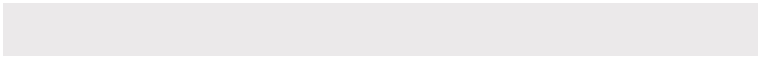
78.2511, 81.8805, 89.5221



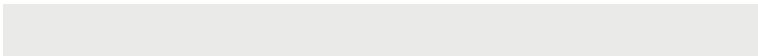
78.2583, 81.8805, 88.8635

Triad

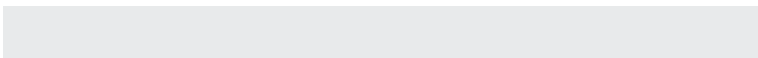
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2511, 81.8805, 89.5221



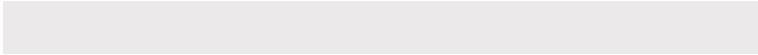
77.7235, 81.8805, 87.9208



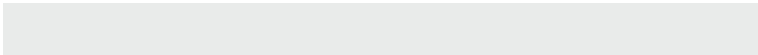
77.5016, 81.8805, 90.0280

Complementary

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



78.2511, 81.8805, 89.5221



78.1669, 82.6829, 89.6856

Split Complementary

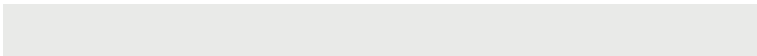
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3932, 81.8805, 89.4450



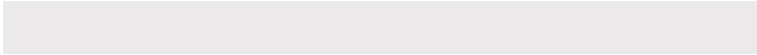
78.2511, 81.8805, 89.5221



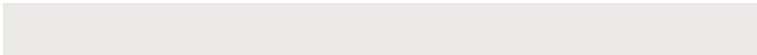
77.5212, 81.8805, 88.2297

Square

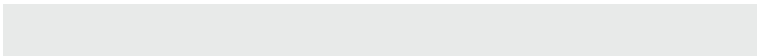
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



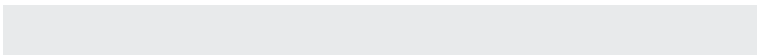
78.2511, 81.8805, 89.5221



77.9534, 81.8805, 87.9413



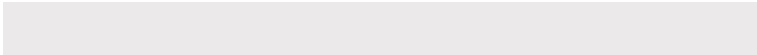
77.4004, 81.8805, 88.7868



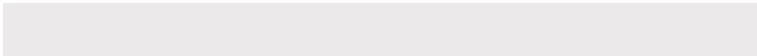
77.6967, 81.8805, 90.3777

Rectangle

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



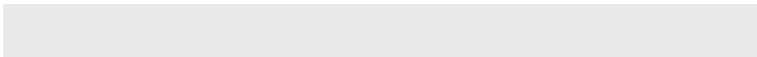
78.2511, 81.8805, 89.5221



78.1973, 81.8805, 88.4589



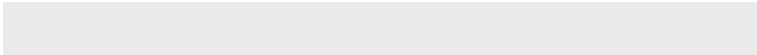
77.4004, 81.8805, 88.7868



77.4538, 81.8805, 89.8526

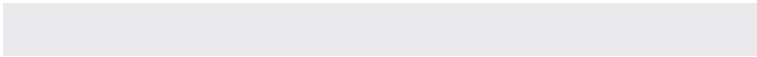
Sweetspot

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



78.2534, 81.8840, 89.5239

95.0500, 100.0000, 108.9000



78.0689, 81.7723, 90.2673



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

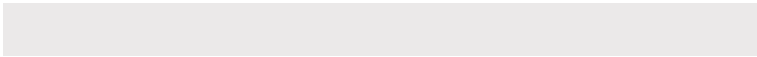
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2534, 81.8840, 89.5239



94.0369, 98.3018, 107.5510



78.1107, 81.8269, 88.7723



16.8305, 17.6004, 19.2512



20.9281, 10.5739, 10.6889



1.6919, 0.8497, 1.0950

Inverse Universe

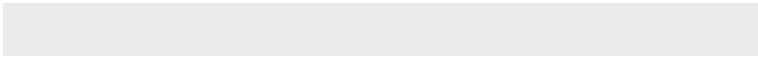
The Inverse Universe completely reimagines the original color for something new.



78.2534, 81.8840, 89.5239



94.0369, 98.3018, 107.5510



78.3104, 82.7403, 90.4414



16.8305, 17.6004, 19.2512



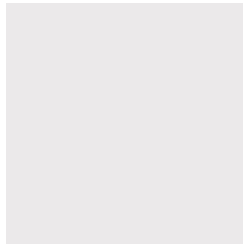
20.9281, 10.5739, 10.6889



1.6919, 0.8497, 1.0950

Previews

White Background



This preview shows how the XYZ color 78.2511, 81.8805, 89.5221 looks on a white background.

Color Contrast Check

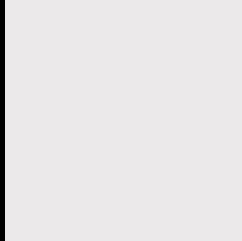
Large Text (above 18pt) WCAG AA × Fail

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 78.2511, 81.8805, 89.5221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

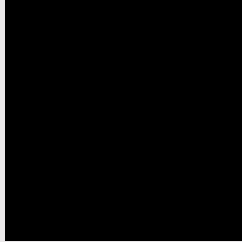
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

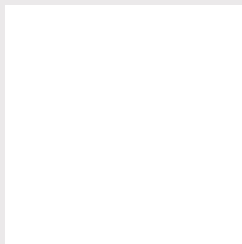
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2511, 81.8805, 89.5221

Background



This preview shows how black text looks on a background with the XYZ color 78.2511, 81.8805, 89.5221.



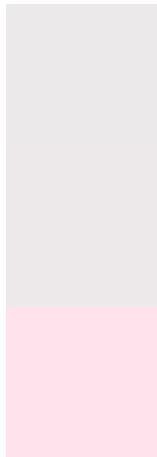
This preview shows how white text looks on a background with the XYZ color 78.2511, 81.8805,

89.5221.

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

78.2511, 81.8805, 89.5221

Protanopia

78.6329, 81.6583, 89.4591

Deuteranopia

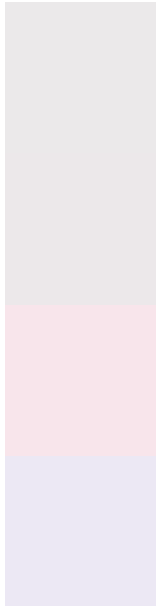
83.4318, 81.6509, 89.9601



Tritanopia

80.5998, 81.9959, 101.2013

Trichromacy



Original Color

78.2511, 81.8805, 89.5221

Protanomaly

78.3000, 81.4866, 89.4435

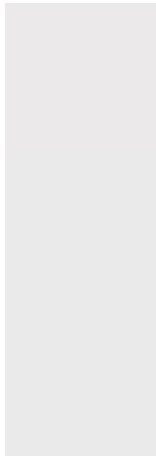
Deuteranomaly

81.7261, 81.9932, 90.1161

Tritanomaly

79.7778, 82.0777, 97.2258

Monochromacy



Original Color

78.2511, 81.8805, 89.5221

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.2058, 82.2786, 89.6014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2511, 81.8805, 89.5221 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(235, 233, 234) looks like.

```
.text, #text, p{  
    color:rgb(235, 233, 234)  
}
```

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(235, 233, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 234) }
```

Border

The CSS property to change the border of an element to XYZ 78.2511, 81.8805, 89.5221 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(235, 233, 234) }
```

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

```
.border{ border-color:rgb(235, 233, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 233, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 234);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
234) }
```


Background

The CSS property to change the background color of an element to XYZ 78.2511, 81.8805, 89.5221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 233, 234) }
```

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

```
.background{ background-color: rgb(235,  
233, 234) }
```

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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