

Converting Colors

XYZ(77.5640, 82.0255, 88.4949)

Have a look what the booklet for
XYZ(77.5640, 82.0255, 88.4949)
contains.

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Color

**XYZ(77.7351, 82.0525,
88.8314)**

Conversions

Conversions Part 1

Format	Color
Hex	E9EAE9
RGB	233, 234, 233
RGB Percent	91%, 92%, 91%
CMY	0.0863, 0.0823, 0.0863
CMYK	0.00, 0.00, 0.00, 0.08
HSL	120°, 2%, 92%
HSV	120°, 0%, 92%
XYZ	77.7351, 82.0525, 88.8314
YIQ	233.5870, -0.2750, -0.5230

Conversions

Conversions Part 2

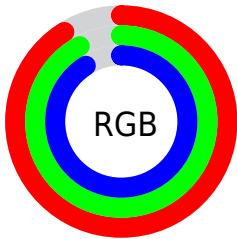
Format	Color
R _Y B	233, 234, 234
Decimal	15330025
CIE Lab	92.60, -0.51, 0.36
CIE LCh	93, 0.620, 144.883
Yxy	82.0525, 0.3127, 0.3300
Android (android.graphics.Color)	4293520105 (0xFFE9EAE9)
YUV	233.5870, -0.2894, -0.5148
Hunter-Lab	90.5828, -5.3373, 5.2644

Details

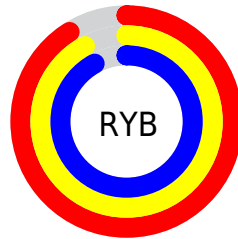
The XYZ color **77.7351, 82.0525, 88.8314** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.9250, 81.7129, 89.5112**, and the grayscale version is **77.8989, 81.9557, 89.2497**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9877, 44.3622, 47.9448** is the 20% darker color. If you saturate the color by 10%, you get **67.4725, 77.1253, 72.0430**, and if you desaturate by 10%, it is **88.7144, 87.3288, 106.7881**.

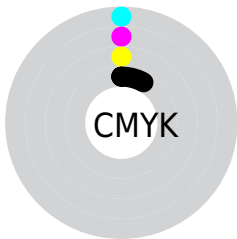
Distribution



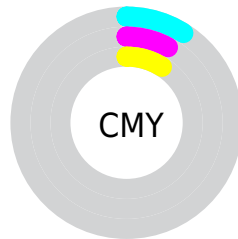
- Red (91%)
- Green (92%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7351, 82.0525, 88.8314 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 77.7351, 82.0525, 88.8314 by changing the saturation by 10% instead.

■ 77.7351, 82.0525,
88.8314

■ 77.7351, 82.0525,
88.8314

476.1203,
501.8233, 544.6938

■ 58.1584, 61.4088,
66.4436

129.1440,
136.2476, 147.6354

■ 42.1798, 44.5552,
48.1738

161.7069,
170.5678, 184.8886

■ 29.4338, 31.1072,
33.6036

199.3292,
210.2157, 227.9341

■ 19.5552, 20.6805,
22.3143

242.3764,
255.5756, 277.1904

■ 12.1785, 12.8907,
13.8875

291.2138,
307.0319, 333.0759

■ 6.9384, 7.3533,
7.9046

346.2066,

■ 3.4696, 3.6840,

364.9690, 396.0093

3.9471

407.7203,
429.7713, 466.4091

■ 1.4067, 1.4984,
1.5964

■ 0.2610, 0.2876,
0.2882

■ 77.7351, 82.0525,
88.8314

■ 77.7351, 82.0525,
88.8314

■ 67.4725, 77.1253,
72.0430

■ 88.7144, 87.3288,
106.7881

■ 58.6071, 72.8668,
57.5420

■ 51.0807, 69.2514,
45.2310

■ 44.8282, 66.2480,
35.0038

■ 39.7791, 63.8227,
26.7451

■ 35.8561, 61.9383,
20.3283

■ 32.9731, 60.5534,
15.6126

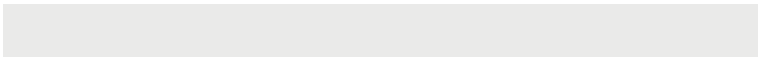
■ 31.0312, 59.6206,
12.4363

■ 29.9128, 59.0834,
10.6069

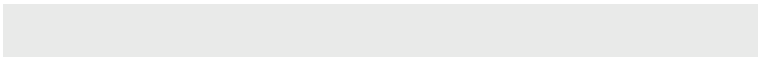
Harmonies

Analogous

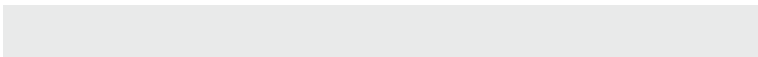
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8581, 82.0525, 88.5381



77.7351, 82.0525, 88.8314



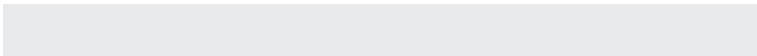
77.6800, 82.0525, 89.2621

Triad

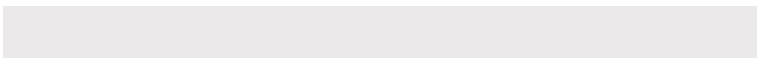
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7351, 82.0525, 88.8314



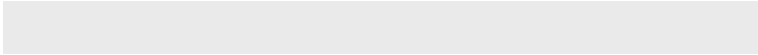
77.9608, 82.0525, 90.2286



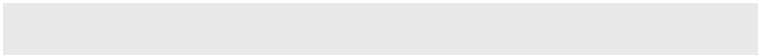
78.2700, 82.0525, 88.9681

Complementary

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



77.7351, 82.0525, 88.8314



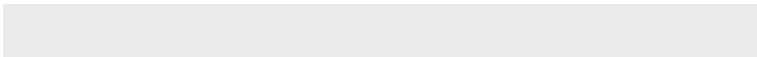
77.9250, 81.7129, 89.5112

Split Complementary

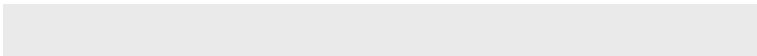
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2977, 82.0525, 89.4204



77.7351, 82.0525, 88.8314



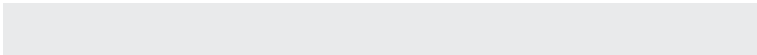
78.1190, 82.0525, 90.1492

Square

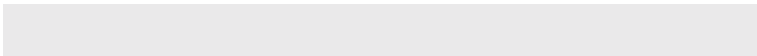
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



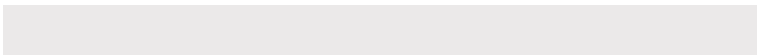
77.7351, 82.0525, 88.8314



77.8102, 82.0525, 90.0695



78.2423, 82.0525, 89.8530



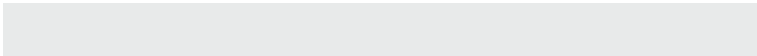
78.1669, 82.0525, 88.6169

Rectangle

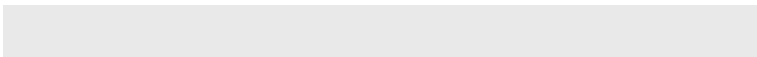
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7351, 82.0525, 88.8314



77.6892, 82.0525, 89.5695



78.2423, 82.0525, 89.8530



78.2885, 82.0525, 89.1133

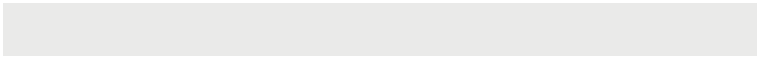
Sweetspot

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



77.7374, 82.0560, 88.8332

95.0500, 100.0000, 108.9000



78.0614, 82.2160, 88.8470



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

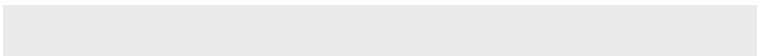
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7374, 82.0560, 88.8332



93.7102, 99.3564, 106.7084



77.8069, 82.0838, 89.1989



16.7754, 17.7782, 19.1091



16.5340, 33.0681, 5.5113



1.2983, 2.5966, 0.4328

Inverse Universe

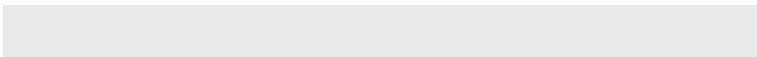
The Inverse Universe completely reimagines the original color for something new.



77.9250, 81.7129, 89.5112



94.2419, 98.3838, 108.6306



77.8553, 81.6851, 89.1445



16.8651, 17.6142, 19.4333



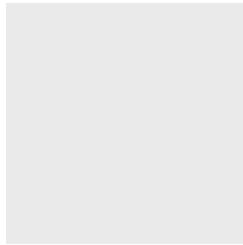
27.4133, 13.1680, 44.8398



2.1526, 1.0340, 3.5210

Previews

White Background



This preview shows how the XYZ color 77.7351, 82.0525, 88.8314 looks on a white background.

Color Contrast Check

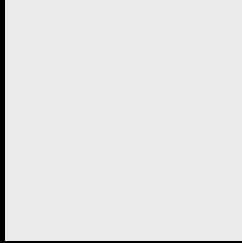
Large Text (above 18pt) WCAG AA × Fail

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 77.7351, 82.0525, 88.8314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

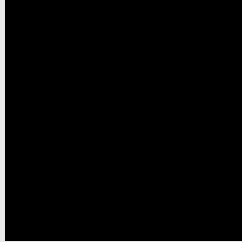
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

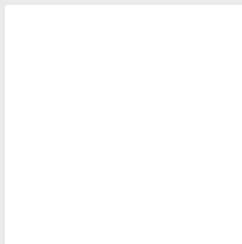
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7351, 82.0525, 88.8314

Background



This preview shows how black text looks on a background with the XYZ color 77.7351, 82.0525, 88.8314.



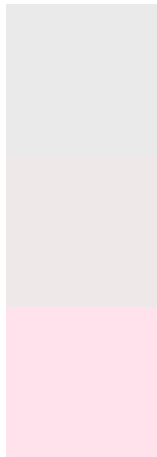
This preview shows how white text looks on a background with the XYZ color 77.7351, 82.0525,

88.8314.

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

77.7351, 82.0525, 88.8314

Protanopia

78.9643, 82.2812, 88.0639

Deuteranopia

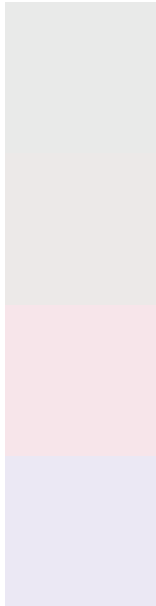
83.4318, 81.6509, 89.9601



Tritanopia

80.4233, 81.8868, 102.0095

Trichromacy



Original Color

77.7351, 82.0525, 88.8314

Protanomaly

78.2965, 81.9369, 88.0327

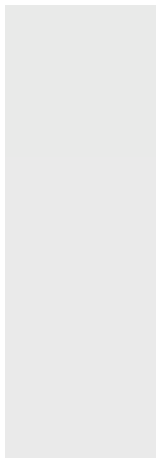
Deuteranomaly

81.2284, 81.7533, 89.3407

Tritanomaly

79.4467, 81.9070, 97.2103

Monochromacy



Original Color

77.7351, 82.0525, 88.8314

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 77.7351, 82.0525, 88.8314 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(233, 234, 233) looks like.

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

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

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

Border

The CSS property to change the border of an element to XYZ 77.7351, 82.0525, 88.8314 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(233, 234, 233) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 77.7351, 82.0525, 88.8314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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