

Converting Colors

XYZ(77.0427, 83.9028, 81.0643)

Have a look what the booklet for
XYZ(77.0427, 83.9028, 81.0643)
contains.

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Color

**XYZ(77.0063, 83.9959,
81.2614)**

Conversions

Conversions Part 1

Format	Color
Hex	E7EFDE
RGB	231, 239, 222
RGB Percent	91%, 94%, 87%
CMY	0.0941, 0.0627, 0.1294
CMYK	0.03, 0.00, 0.07, 0.06
HSL	88°, 35%, 90%
HSV	88°, 7%, 94%
XYZ	77.0063, 83.9959, 81.2614
YIQ	234.6700, 0.6890, -6.9830

Conversions

Conversions Part 2

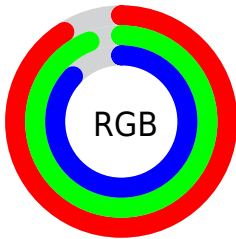
Format	Color
R_{YB}	222, 239, 230
Decimal	15200222
CIE _{Lab}	93.45, -5.64, 7.29
CIE _{LCh}	93, 9.217, 127.726
Yxy	83.9959, 0.3179, 0.3467
Android (android.graphics.Color)	4293390302 (0xFFE7EFDE)
YUV	234.6700, -6.2463, -3.2186
Hunter-Lab	91.6493, -10.4055, 11.5846

Details

The XYZ color **77.0063, 83.9959, 81.2614** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.3378, 75.2999, 92.2821**, and the grayscale version is **78.7624, 82.8641, 90.2390**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5877, 45.7710, 43.2020** is the 20% darker color. If you saturate the color by 10%, you get **70.5125, 80.9949, 65.4045**, and if you desaturate by 10%, it is **84.1924, 87.3061, 99.5246**.

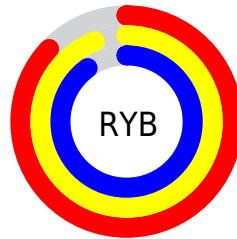
Distribution



Red (91%)

Green (94%)

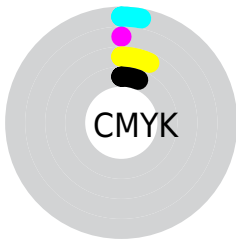
Blue (87%)



Red (87%)

Yellow (94%)

Blue (90%)

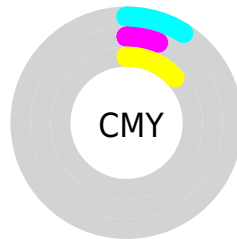


Cyan (3%)

Magenta (0%)

Yellow (7%)

Black (6%)



Cyan (9%)

Magenta (6%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0063, 83.9959, 81.2614 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 77.0063, 83.9959, 81.2614 by changing the saturation by 10% instead.

77.0063, 83.9959,
81.2614

77.0063, 83.9959,
81.2614

473.6771,
508.2996, 518.9922

57.5580, 63.0121,
60.2247

128.1212,
138.9694, 136.9651

41.6953, 45.8510,
43.1733

160.5184,
173.7279, 172.4692

29.0528, 32.1282,
29.6887

197.9627,
213.8467, 213.6327

19.2653, 21.4595,
19.3524

240.8194,
259.7103, 260.8744

11.9673, 13.4603,
11.7458

289.4538,
311.7029, 314.6126

6.7934, 7.7462,
6.4504

344.2314,

3.3784, 3.9330,

370.2091, 375.2659

3.0476

405.5173,
435.6132, 443.2529

■ 1.3569, 1.6362,
1.1190

■ 0.2252, 0.3818,
0.0000

■ 77.0063, 83.9959,
81.2614

■ 77.0063, 83.9959,
81.2614

■ 70.5125, 80.9949,
65.4045

■ 84.1924, 87.3061,
99.5246

■ 64.6807, 78.2825,
51.8480

■ 89.6098, 89.9337,
107.2437

■ 59.4883, 75.8519,
40.4865

■ 90.1582, 90.2164,
107.2694

■ 54.9088, 73.6917,
31.2040

■ 50.9134, 71.7901,
23.8739

■ 47.4705, 70.1339,
18.3559

■ 44.5450, 68.7082,
14.4908

■ 42.0960, 67.4963,
12.0917

■ 40.0722, 66.4768,
10.9173

Harmonies

Analogous

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



79.2081, 83.9959, 78.8095



77.0063, 83.9959, 81.2614



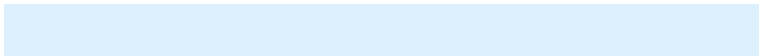
75.5830, 83.9959, 86.4710

Triad

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



77.0063, 83.9959, 81.2614



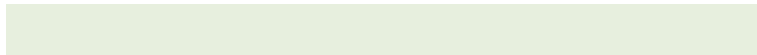
78.0750, 83.9959, 104.4282



84.5630, 83.9959, 89.6673

Complementary

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



77.0063, 83.9959, 81.2614



74.3378, 75.2999, 92.2821

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.



84.2447, 83.9959, 96.6316



77.0063, 83.9959, 81.2614



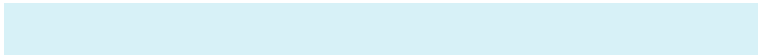
80.4664, 83.9959, 105.3906

Square

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



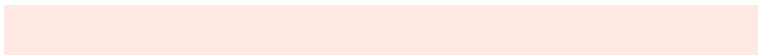
77.0063, 83.9959, 81.2614



76.1912, 83.9959, 99.9053



82.7333, 83.9959, 102.4722



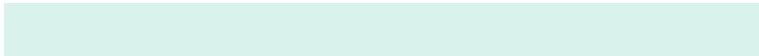
83.5943, 83.9959, 83.4994

Rectangle

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



77.0063, 83.9959, 81.2614



75.2504, 83.9959, 90.9266



82.7333, 83.9959, 102.4722



84.6033, 83.9959, 91.9900

Sweetspot

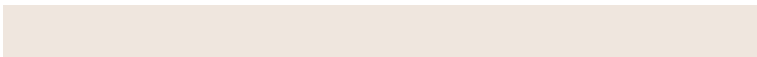
The Sweet Spot groups the original color and five complimentary colors.



77.0086, 83.9995, 81.2632



93.3619, 99.2234, 104.5916



77.0629, 80.1843, 80.5240



20.0010, 21.2460, 22.4320



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

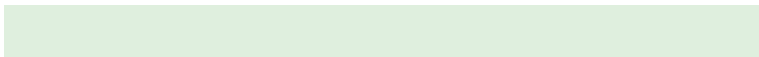
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0086, 83.9995, 81.2632



87.7090, 96.6173, 90.4074



74.3519, 82.6299, 81.1389



16.3646, 18.0681, 16.7747



22.0055, 36.6658, 5.9174



1.9455, 3.1094, 0.4976

Inverse Universe

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



74.3378, 75.2999, 92.2821



83.8324, 83.9900, 106.4010



77.1101, 76.7291, 92.4119



15.6049, 15.5935, 19.9090



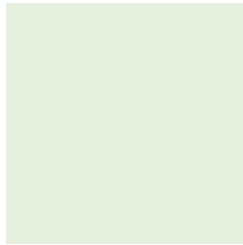
12.4873, 5.4428, 45.5203



1.1528, 0.5115, 3.7922

Previews

White Background



This preview shows how the XYZ color 77.0063, 83.9959, 81.2614 looks on a white background.

Color Contrast Check

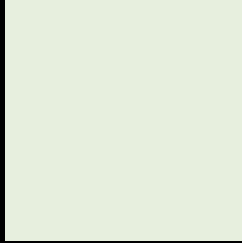
Large Text (above 18pt) WCAG AA × Fail

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 77.0063, 83.9959, 81.2614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

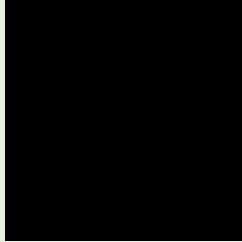
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

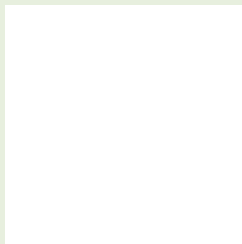
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0063, 83.9959, 81.2614

Background



This preview shows how black text looks on a background with the XYZ color 77.0063, 83.9959, 81.2614.



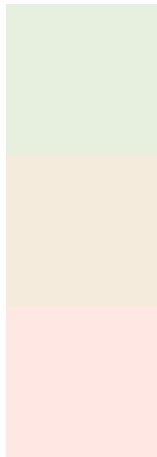
This preview shows how white text looks on a background with the XYZ color 77.0063, 83.9959,

81.2614.

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

77.0063, 83.9959, 81.2614

Protanopia

79.9348, 83.8171, 79.6754

Deuteranopia

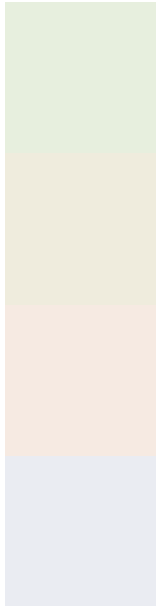
83.8195, 84.0133, 85.1972



Tritanopia

81.7445, 83.7704, 104.7894

Trichromacy



Original Color

77.0063, 83.9959, 81.2614

Protanomaly

78.6432, 83.5621, 80.3908

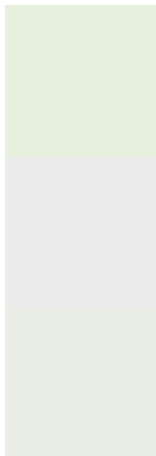
Deuteranomaly

81.1563, 83.9295, 83.8741

Tritanomaly

79.9541, 83.8941, 95.9836

Monochromacy



Original Color

77.0063, 83.9959, 81.2614

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.2101, 83.1965, 86.7993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0063, 83.9959, 81.2614 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(231, 239, 222) looks like.

```
.text, #text, p{  
    color:rgb(231, 239, 222)  
}
```

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(231, 239, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 239, 222) }
```

Border

The CSS property to change the border of an element to XYZ 77.0063, 83.9959, 81.2614 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(231, 239, 222) }
```


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

```
.border{ border-color:rgb(231, 239, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 239, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 239, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 239, 222); box-shadow:4px 4px 4px 4px rgb(231, 239, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0063, 83.9959, 81.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 239, 222) }
```

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

```
.background{ background-color: rgb(231,  
239, 222) }
```

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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