

Converting Colors

XYZ(82.7269, 89.7083, 90.0233)

Have a look what the booklet for
XYZ(82.7269, 89.7083, 90.0233)
contains.

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Color

**XYZ(82.9236, 89.9719,
90.0866)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF6E9
RGB	238, 246, 233
RGB Percent	93%, 96%, 91%
CMY	0.0667, 0.0353, 0.0863
CMYK	0.03, 0.00, 0.05, 0.04
HSL	97°, 42%, 94%
HSV	97°, 5%, 96%
XYZ	82.9236, 89.9719, 90.0866
YIQ	242.1260, -0.5950, -5.7390

Conversions

Conversions Part 2

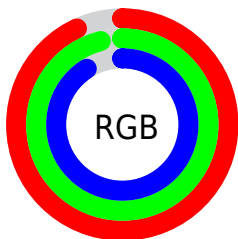
Format	Color
R _Y B	233, 246, 241
Decimal	15660777
CIE Lab	95.99, -4.93, 5.32
CIE LCh	96, 7.251, 132.801
Yxy	89.9719, 0.3153, 0.3421
Android (android.graphics.Color)	4293850857 (0xFFEEF6E9)
YUV	242.1260, -4.4991, -3.6185
Hunter-Lab	94.8535, -9.9440, 10.0871

Details

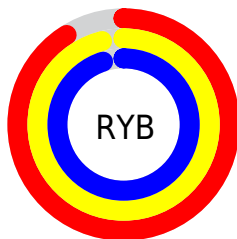
The XYZ color **82.9236, 89.9719, 90.0866** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0528, 83.6350, 99.0120**, and the grayscale version is **84.5349, 88.9372, 96.8527**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6407, 49.9463, 48.8301** is the 20% darker color. If you saturate the color by 10%, you get **74.7799, 86.1544, 72.6218**, and if you desaturate by 10%, it is **91.5681, 94.0448, 107.9341**.

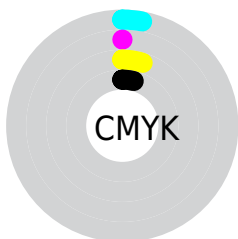
Distribution



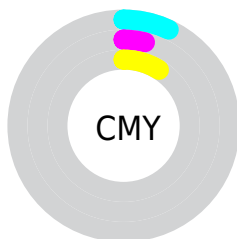
- Red (93%)
- Green (96%)
- Blue (91%)



- Red (91%)
- Yellow (96%)
- Blue (95%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)




- Cyan (7%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.9236, 89.9719, 90.0866 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 82.9236, 89.9719, 90.0866 by changing the saturation by 10% instead.


 82.9236, 89.9719,
90.0866

 82.9236, 89.9719,
90.0866


493.3196,
527.9394, 548.8899

 62.4438, 67.9573,
67.4784


136.3975,
147.2994, 149.3953

 45.6484, 49.8630,
49.0094

170.1224,
183.3810, 186.9327

 32.1719, 35.3046,
34.2613


208.9930,
224.9206, 230.2837

 21.6490, 23.8976,
22.8154

253.3747,
272.3023, 279.8667

 13.7144, 15.2577,
14.2533

303.6329,
325.9107, 336.1003

 8.0026, 9.0004,
8.1563

360.1329,

 4.1485, 4.7415,

386.1301, 399.4030

4.1059

423.2400,
453.3448, 470.1933

■ 1.7865, 2.0964,
1.6836

■ 0.5095, 0.6626,
0.3495

■ 82.9236, 89.9719,
90.0866

■ 82.9236, 89.9719,
90.0866

■ 74.7799, 86.1544,
72.6218

■ 91.5681, 94.0448,
107.9341

■ 67.5208, 82.7361,
57.6489

■ 92.2476, 94.3951,
107.9659

■ 61.1164, 79.7066,
45.0557

■ 55.5320, 77.0507,
34.7195

■ 50.7305, 74.7523,
26.5064

■ 46.6714, 72.7936,
20.2683

■ 43.3102, 71.1554,
15.8381

■ 40.5960, 69.8157,
13.0211

■ 38.4686, 68.7488,
11.5774

Harmonies

Analogous

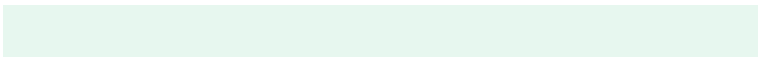
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6645, 89.9719, 87.5901



82.9236, 89.9719, 90.0866



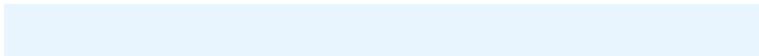
81.8865, 89.9719, 94.7364

Triad

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



82.9236, 89.9719, 90.0866



84.3810, 89.9719, 108.8910



89.3292, 89.9719, 95.5389

Complementary

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



82.9236, 89.9719, 90.0866



82.0528, 83.6350, 99.0120

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.



89.2504, 89.9719, 101.2643



82.9236, 89.9719, 90.0866



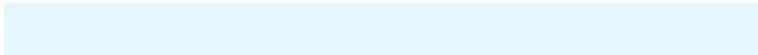
86.3723, 89.9719, 109.1265

Square

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



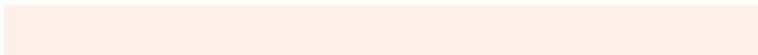
82.9236, 89.9719, 90.0866



82.7188, 89.9719, 105.6567



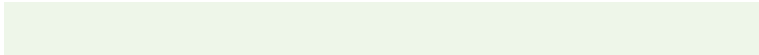
88.1610, 89.9719, 106.2879



88.3747, 89.9719, 90.6543

Rectangle

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



82.9236, 89.9719, 90.0866



81.7236, 89.9719, 98.5044



88.1610, 89.9719, 106.2879



89.4231, 89.9719, 97.4258

Sweetspot

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



82.9261, 89.9758, 90.0886



93.0941, 99.0853, 104.5791



84.1137, 88.2720, 89.6971



19.9465, 21.2179, 22.4295



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

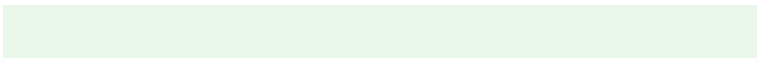
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9261, 89.9758, 90.0886



89.3032, 97.3108, 96.2807



81.4572, 89.1970, 90.9932



17.3895, 19.0192, 18.6240



20.2307, 36.5421, 5.9871



1.8891, 3.2689, 0.5314

Inverse Universe

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



82.0528, 83.6350, 99.0120



88.2308, 89.5251, 107.2376



83.5840, 84.4474, 98.0453



17.1584, 17.3413, 20.9854



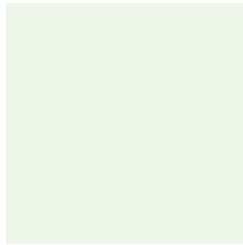
15.8947, 7.1683, 47.0839



1.5115, 0.6891, 4.1436

Previews

White Background



This preview shows how the XYZ color 82.9236, 89.9719, 90.0866 looks on a white background.

Color Contrast Check

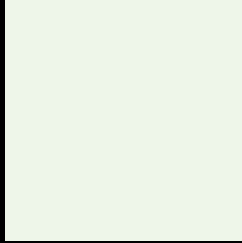
Large Text (above 18pt) WCAG AA × Fail

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 82.9236, 89.9719, 90.0866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

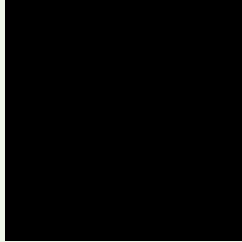
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

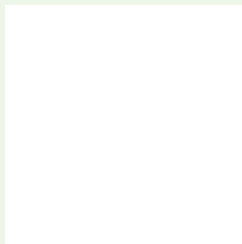
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.9236, 89.9719, 90.0866

Background



This preview shows how black text looks on a background with the XYZ color 82.9236, 89.9719, 90.0866.



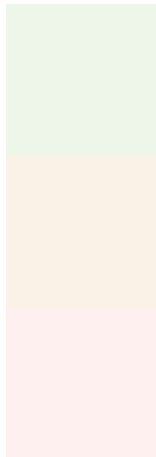
This preview shows how white text looks on a background with the XYZ color 82.9236, 89.9719,

90.0866.

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

82.9236, 89.9719, 90.0866

Protanopia

85.6003, 89.5978, 88.3838

Deuteranopia

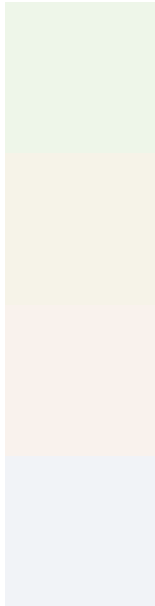
88.1283, 89.8714, 95.1401



Tritanopia

86.7643, 89.7789, 107.3638

Trichromacy



Original Color

82.9236, 89.9719, 90.0866

Protanomaly

84.6221, 89.5202, 89.1630

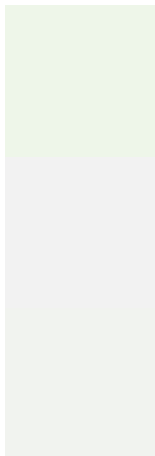
Deuteranomaly

86.1051, 89.7584, 92.9076

Tritanomaly

85.1147, 89.5174, 100.7882

Monochromacy



Original Color

82.9236, 89.9719, 90.0866

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.9062, 89.0340, 94.4243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9236, 89.9719, 90.0866 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(238, 246, 233)` looks like.

```
.text, #text, p{  
    color:rgb(238, 246, 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(238, 246, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 246, 233) }
```

Border

The CSS property to change the border of an element to XYZ 82.9236, 89.9719, 90.0866 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(238, 246, 233) }
```


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

```
.border{ border-color:rgb(238, 246, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 246, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 246, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 246, 233);  
box-shadow:4px 4px 4px 4px rgb(238, 246,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9236, 89.9719, 90.0866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 246, 233) }
```

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

```
.background{ background-color: rgb(238,  
246, 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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