

Converting Colors

XYZ(83.2133, 91.5038, 89.6241)

Have a look what the booklet for
XYZ(83.2133, 91.5038, 89.6241)
contains.

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Color

**XYZ(83.3662, 91.5821,
89.6272)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF9E8
RGB	237, 249, 232
RGB Percent	93%, 98%, 91%
CMY	0.0706, 0.0235, 0.0902
CMYK	0.05, 0.00, 0.07, 0.02
HSL	102°, 59%, 94%
HSV	102°, 7%, 98%
XYZ	83.3662, 91.5821, 89.6272
YIQ	243.4740, -1.6950, -7.8310

Conversions

Conversions Part 2

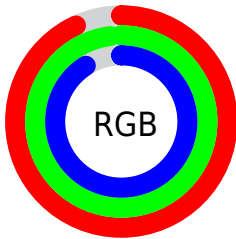
Format	Color
R _Y B	232, 249, 244
Decimal	15596008
CIE Lab	96.65, -6.94, 6.79
CIE LCh	97, 9.707, 135.650
Yxy	91.5821, 0.3151, 0.3461
Android (android.graphics.Color)	4293786088 (0xFFEDF9E8)
YUV	243.4740, -5.6567, -5.6777
Hunter-Lab	95.6985, -11.9751, 11.4605

Details

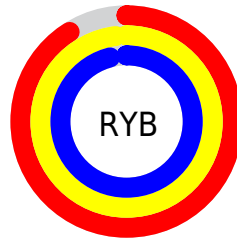
The XYZ color **83.3662, 91.5821, 89.6272** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.2674, 83.7884, 101.4114**, and the grayscale version is **85.6158, 90.0745, 98.0912**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9625, 51.0983, 48.5148** is the 20% darker color. If you saturate the color by 10%, you get **74.4929, 87.3905, 72.0383**, and if you desaturate by 10%, it is **93.0134, 96.1556, 108.2653**.

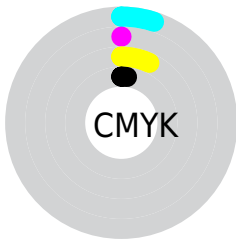
Distribution



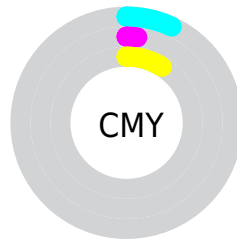
- Red (93%)
- Green (98%)
- Blue (91%)



- Red (91%)
- Yellow (98%)
- Blue (96%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)





- Cyan (7%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3662, 91.5821, 89.6272 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 83.3662, 91.5821, 89.6272 by changing the saturation by 10% instead.


 83.3662, 91.5821,
89.6272

 83.3662, 91.5821,
89.6272

494.7716,
533.1640, 547.3562

 62.8102, 69.2936,
67.0995


137.0141,
149.5341, 148.7514

 45.9458, 50.9508,
48.7034


170.8367,
185.9663, 186.1851

 32.4075, 36.1695,
34.0203


209.8123,
227.8819, 229.4244

 21.8300, 24.5651,
22.6317

254.3062,
275.6652, 278.8881

 13.8479, 15.7534,
14.1191

304.6837,
329.7007, 334.9945

 8.0960, 9.3498,
8.0638

361.3102,

 4.2087, 4.9700,

390.3728, 398.1623

4.0475

424.5511,
458.0657, 468.8100

■ 1.8209, 2.2297,
1.6514

■ 0.5302, 0.7361,
0.3271

■ 83.3662, 91.5821,
89.6272

■ 83.3662, 91.5821,
89.6272

■ 74.4929, 87.3905,
72.0383

■ 93.0134, 96.1556,
108.2653

■ 66.6563, 83.6753,
57.0026

■ 93.1675, 96.2350,
108.2725

■ 59.8192, 80.4224,
44.4031

■ 53.9393, 77.6130,
34.1113

■ 48.9711, 75.2264,
25.9871

■ 44.8649, 73.2406,
19.8748

■ 41.5659, 71.6311,
15.5982

■ 39.0116, 70.3703,
12.9507

■ 37.1275, 69.4254,
11.6704

Harmonies

Analogous

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



85.6454, 91.5821, 86.0028



83.3662, 91.5821, 89.6272



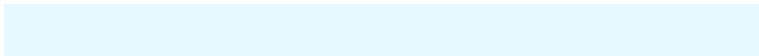
82.0859, 91.5821, 96.0577

Triad

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



83.3662, 91.5821, 89.6272



85.7586, 91.5821, 114.9140



92.1702, 91.5821, 95.7384

Complementary

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



83.3662, 91.5821, 89.6272



83.2674, 83.7884, 101.4114

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.



92.2020, 91.5821, 103.4688



83.3662, 91.5821, 89.6272



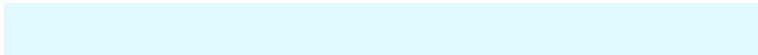
88.4619, 91.5821, 114.8175

Square

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



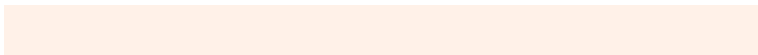
83.3662, 91.5821, 89.6272



83.4476, 91.5821, 110.7948



90.8326, 91.5821, 110.5377



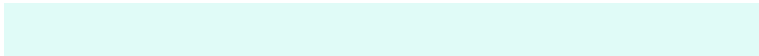
90.7465, 91.5821, 89.4040

Rectangle

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



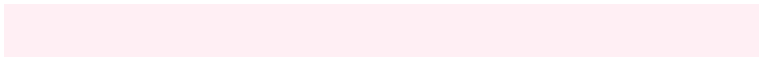
83.3662, 91.5821, 89.6272



81.9538, 91.5821, 101.1965



90.8326, 91.5821, 110.5377



92.3450, 91.5821, 98.2527

Sweetspot

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



83.3687, 91.5860, 89.6292



92.9274, 98.9994, 104.5713



85.9568, 90.6111, 89.3046



19.9126, 21.2004, 22.4279



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

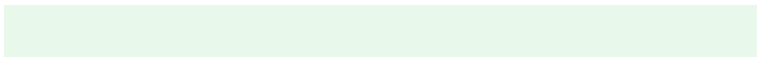
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3687, 91.5860, 89.6292



86.8362, 96.1251, 92.2719



82.2105, 90.9326, 92.1214



17.4969, 19.5564, 18.3150



19.7351, 37.0921, 6.1193



1.9288, 3.4874, 0.5715

Inverse Universe

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



83.2674, 83.7884, 101.4114



86.7116, 86.5480, 106.7430



84.5001, 84.4847, 98.7248



17.4669, 17.2533, 21.7949



18.8603, 8.6655, 48.6521



1.8526, 0.8571, 4.5110

Previews

White Background



This preview shows how the XYZ color 83.3662, 91.5821, 89.6272 looks on a white background.

Color Contrast Check

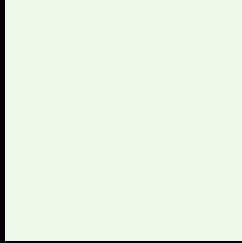
Large Text (above 18pt) WCAG AA × Fail

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 83.3662, 91.5821, 89.6272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

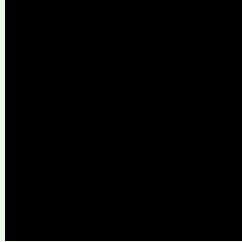
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

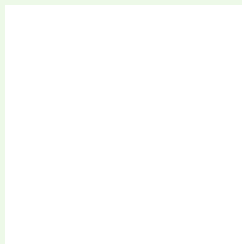
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3662, 91.5821, 89.6272

Background



This preview shows how black text looks on a background with the XYZ color 83.3662, 91.5821, 89.6272.



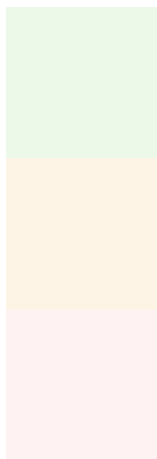
This preview shows how white text looks on a background with the XYZ color 83.3662, 91.5821,

89.6272.

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

83.3662, 91.5821, 89.6272

Protanopia

87.0016, 91.2412, 87.1546

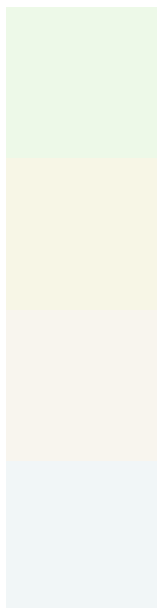
Deuteranopia

89.0191, 91.1751, 96.9111

Tritanopia

88.0106, 91.7579, 107.6801

Trichromacy



Original Color

83.3662, 91.5821, 89.6272

Protanomaly

85.5965, 91.3989, 87.9932

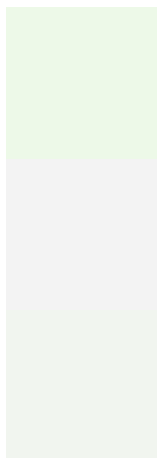
Deuteranomaly

86.7964, 91.4343, 93.9628

Tritanomaly

86.0199, 91.3277, 101.0900

Monochromacy



Original Color

83.3662, 91.5821, 89.6272

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.5080, 90.2376, 94.6249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3662, 91.5821, 89.6272 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, 249, 232) looks like.

```
.text, #text, p{  
    color:rgb(237, 249, 232)  
}
```

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, 249, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 249, 232) }
```

Border

The CSS property to change the border of an element to XYZ 83.3662, 91.5821, 89.6272 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, 249, 232) }
```


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

```
.border{ border-color:rgb(237, 249, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 249, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 249, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 249, 232);  
box-shadow:4px 4px 4px 4px rgb(237, 249,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3662, 91.5821, 89.6272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 249, 232) }
```

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

```
.background{ background-color: rgb(237,  
249, 232) }
```

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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