

Converting Colors

XYZ(83.7011, 91.7547, 89.6428)

Have a look what the booklet for XYZ(83.7011, 91.7547, 89.6428) contains.

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Color

**XYZ(83.7011, 91.7547,
89.6428)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF9E8
RGB	238, 249, 232
RGB Percent	93%, 98%, 91%
CMY	0.0667, 0.0235, 0.0902
CMYK	0.04, 0.00, 0.07, 0.02
HSL	99°, 59%, 94%
HSV	99°, 7%, 98%
XYZ	83.7011, 91.7547, 89.6428
YIQ	243.7730, -1.0990, -7.6190

Conversions

Conversions Part 2

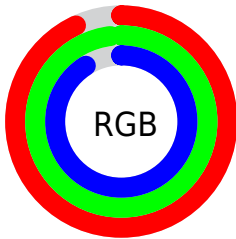
Format	Color
R _Y B	232, 249, 243
Decimal	15661544
CIE Lab	96.72, -6.61, 6.90
CIE LCh	97, 9.550, 133.767
Yxy	91.7547, 0.3157, 0.3461
Android (android.graphics.Color)	4293851624 (0xFFEEF9E8)
YUV	243.7730, -5.8041, -5.0629
Hunter-Lab	95.7887, -11.6551, 11.5662

Details

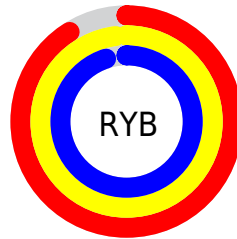
The XYZ color **83.7011, 91.7547, 89.6428** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.9211, 83.6099, 101.3952**, and the grayscale version is **85.8554, 90.3266, 98.3656**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1978, 51.2196, 48.5258** is the 20% darker color. If you saturate the color by 10%, you get **75.2420, 87.7767, 72.0733**, and if you desaturate by 10%, it is **92.8430, 96.0677, 108.2573**.

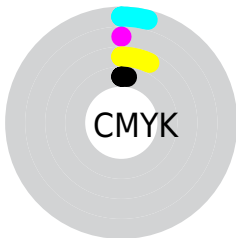
Distribution



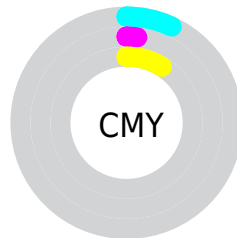
- Red (93%)
- Green (98%)
- Blue (91%)



- Red (91%)
- Yellow (98%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7011, 91.7547, 89.6428 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 83.7011, 91.7547, 89.6428 by changing the saturation by 10% instead.

83.7011, 91.7547,
89.6428

83.7011, 91.7547,
89.6428

495.8688,
533.7224, 547.4083

63.0876, 69.4369,
67.1124

137.4804,
149.7734, 148.7733

46.1710, 51.0676,
48.7138

171.3769,
186.2430, 186.2105

32.5859, 36.2624,
34.0285

210.4317,
228.1988, 229.4536

21.9672, 24.6369,
22.6380

255.0103,
276.0250, 278.9213

13.9492, 15.8068,
14.1236

305.4779,
330.1061, 335.0321

8.1668, 9.3875,
8.0670

362.2000,

4.2546, 4.9948,

390.8264, 398.2045

4.0494

425.5418,
458.5704, 468.8571

■ 1.8471, 2.2442,
1.6525

■ 0.5458, 0.7439,
0.3279

■ 83.7011, 91.7547,
89.6428

■ 83.7011, 91.7547,
89.6428

■ 75.2420, 87.7767,
72.0733

■ 92.8430, 96.0677,
108.2573

■ 67.7322, 84.2299,
57.0529

■ 93.1675, 96.2349,
108.2725

■ 61.1388, 81.1027,
44.4648

■ 55.4238, 78.3782,
34.1808

■ 50.5462, 76.0384,
26.0607

■ 46.4614, 74.0636,
19.9495

■ 43.1202, 72.4324,
15.6710

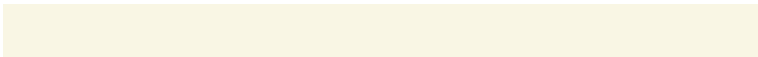
■ 40.4664, 71.1203,
13.0188

■ 38.4320, 70.0979,
11.7314

Harmonies

Analogous

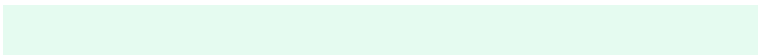
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9920, 91.7547, 86.2729



83.7011, 91.7547, 89.6428



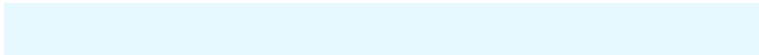
82.3653, 91.7547, 95.8447

Triad

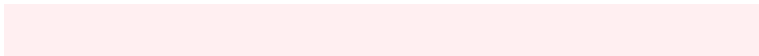
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7011, 91.7547, 89.6428



85.7805, 91.7547, 114.7231



92.3007, 91.7547, 96.4413

Complementary

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



83.7011, 91.7547, 89.6428



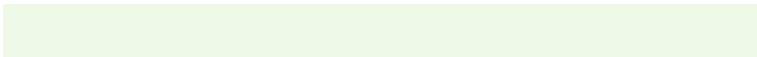
82.9211, 83.6099, 101.3952

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.



92.2412, 91.7547, 104.0789



83.7011, 91.7547, 89.6428



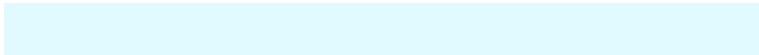
88.4396, 91.7547, 114.9030

Square

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



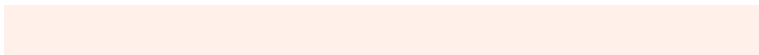
83.7011, 91.7547, 89.6428



83.5490, 91.7547, 110.4428



90.8158, 91.7547, 110.9225



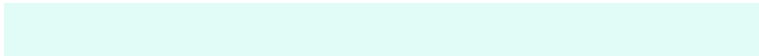
90.9766, 91.7547, 90.0603

Rectangle

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



83.7011, 91.7547, 89.6428



82.1788, 91.7547, 100.8761



90.8158, 91.7547, 110.9225



92.4426, 91.7547, 98.9407

Sweetspot

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



83.7036, 91.7587, 89.6448



93.0358, 99.0552, 104.5764



85.6168, 89.9313, 89.1912



19.9346, 21.2118, 22.4289



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.



83.7036, 91.7587, 89.6448



87.2463, 96.3366, 92.2911



82.0467, 90.8670, 91.2594



17.5952, 19.6071, 18.3196



20.4193, 37.4448, 6.1514



2.0014, 3.5249, 0.5749

Inverse Universe

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



82.9211, 83.6099, 101.3952



86.2851, 86.3281, 106.7230



84.6743, 84.5543, 99.6421



17.3640, 17.2003, 21.7901



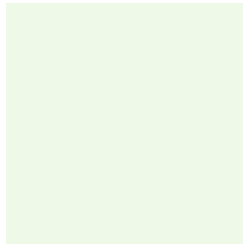
17.1955, 7.8073, 48.5742



1.7075, 0.7823, 4.5042

Previews

White Background



This preview shows how the XYZ color 83.7011, 91.7547, 89.6428 looks on a white background.

Color Contrast Check

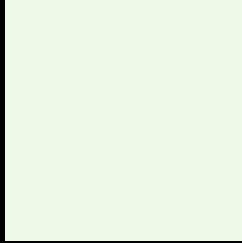
Large Text (above 18pt) WCAG AA × Fail

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 83.7011, 91.7547, 89.6428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

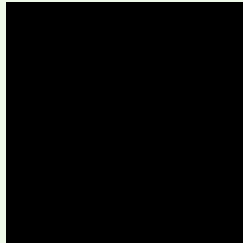
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

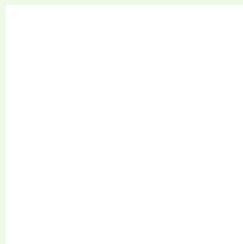
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7011, 91.7547, 89.6428

Background



This preview shows how black text looks on a background with the XYZ color 83.7011, 91.7547, 89.6428.



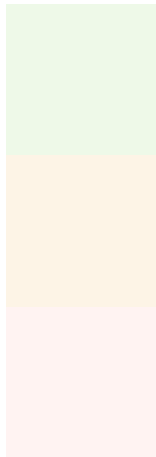
This preview shows how white text looks on a background with the XYZ color 83.7011, 91.7547,

89.6428.

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

83.7011, 91.7547, 89.6428

Protanopia

87.1416, 91.2972, 87.8922

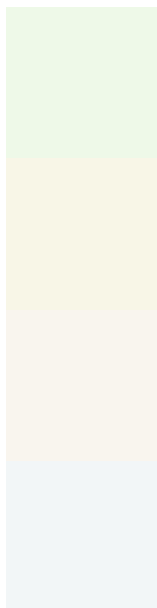
Deuteranopia

89.3176, 91.7720, 97.0106

Tritanopia

88.0106, 91.7579, 107.6801

Trichromacy



Original Color

83.7011, 91.7547, 89.6428

Protanomaly

86.0910, 91.6375, 88.7516

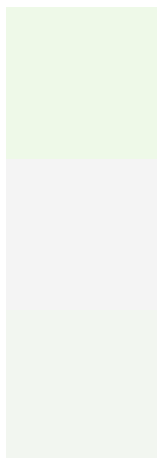
Deuteranomaly

87.1519, 91.6176, 93.9795

Tritanomaly

86.3622, 91.5042, 101.1060

Monochromacy



Original Color

83.7011, 91.7547, 89.6428

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.3019, 91.0801, 95.5224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7011, 91.7547, 89.6428 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, 249, 232) looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 249, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 249, 232) }
```

Border

The CSS property to change the border of an element to XYZ 83.7011, 91.7547, 89.6428 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, 249, 232) }
```


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

```
.border{ border-color:rgb(238, 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(238, 249, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 249, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 249, 232);  
box-shadow:4px 4px 4px 4px rgb(238, 249,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7011, 91.7547, 89.6428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 249, 232) }
```

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

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