

Converting Colors

XYZ(89.7608, 100.0000,
91.8389)

Have a look what the booklet for
XYZ(89.7608, 100.0000, 91.8389)
contains.

XYZ(88.1242, 96.8157, 91.1334)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(88.1242, 96.8157,
91.1334)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FFE9
RGB	245, 255, 233
RGB Percent	96%, 100%, 91%
CMY	0.0392, 0.0000, 0.0863
CMYK	0.04, 0.00, 0.09, 0.00
HSL	87°, 100%, 96%
HSV	87°, 9%, 100%
XYZ	88.1242, 96.8157, 91.1334
YIQ	249.5020, 1.1020, -8.9620

Conversions

Conversions Part 2

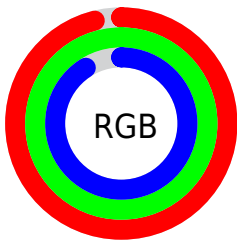
Format	Color
R_{YB}	233, 255, 243
Decimal	16121833
CIE _{Lab}	98.76, -7.08, 9.37
CIE _{LCh}	99, 11.747, 127.075
Yxy	96.8157, 0.3192, 0.3507
Android (android.graphics.Color)	4294311913 (0xFFFF5FFE9)
YUV	249.5020, -8.1355, -3.9483
Hunter-Lab	98.3950, -12.3236, 13.9621

Details

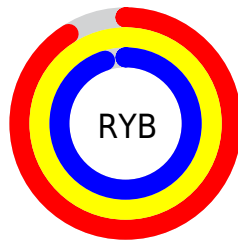
The XYZ color 88.1242, 96.8157, 91.1334 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.1517, 84.5536, 106.4930, and the grayscale version is 90.5193, 95.2333, 103.7091.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.1162, 54.3813, 49.5029 is the 20% darker color. If you saturate the color by 10%, you get 80.8226, 93.4425, 73.1301, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

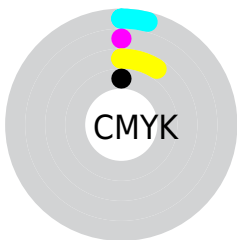
Distribution



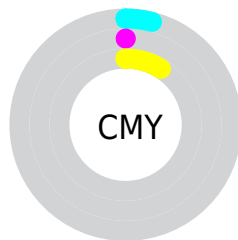
- Red (96%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.1242, 96.8157, 91.1334 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 88.1242, 96.8157, 91.1334 by changing the saturation by 10% instead.


 88.1242, 96.8157,
91.1334

 88.1242, 96.8157,
91.1334

510.2392,
549.9616, 552.3759

 66.7571, 73.6471,
68.3421


143.6217,
156.7707, 150.8610

 49.1572, 54.5053,
49.7076


178.4828,
194.3259, 188.6343

 34.9592, 39.0058,
34.8116


218.5725,
237.4454, 232.2387

 23.7978, 26.7642,
23.2354

264.2564,
286.5136, 282.0927

 15.3077, 17.3962,
14.5605

315.8996,
341.9149, 338.6149

 9.1233, 10.5174,
8.3683

373.8675,

 4.8795, 5.7433,

404.0338, 402.2238

4.2404

438.5256,
473.2545, 473.3379

■ 2.2107, 2.6896,
1.7581

■ 0.7484, 0.9719,
0.4001

■ 88.1242, 96.8157,
91.1334

■ 88.1242, 96.8157,
91.1334

■ 80.8226, 93.4425,
73.1301

95.0500, 100.0000,
108.9000

■ 74.2731, 90.3988,
57.7911

■ 68.4474, 87.6729,
44.9908

■ 63.3148, 85.2517,
34.5916

■ 58.8415, 83.1214,
26.4430

■ 54.9907, 81.2665,
20.3775

■ 51.7207, 79.6698,
16.2040

■ 48.9831, 78.3111,
13.6964

■ 46.7109, 77.1632,
12.5326

Harmonies

Analogous

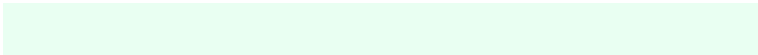
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2152, 96.8157, 87.8585



88.1242, 96.8157, 91.1334



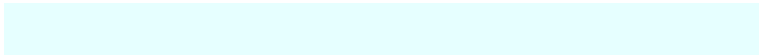
86.1131, 96.8157, 98.2697

Triad

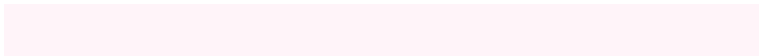
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.1242, 96.8157, 91.1334



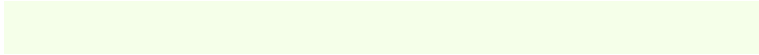
89.4902, 96.8157, 123.6724



98.6813, 96.8157, 103.1199

Complementary

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



88.1242, 96.8157, 91.1334



84.1517, 84.5536, 106.4930

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.



98.1919, 96.8157, 112.9002



88.1242, 96.8157, 91.1334



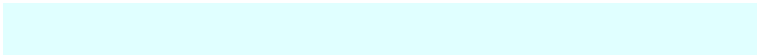
92.8303, 96.8157, 125.1690

Square

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



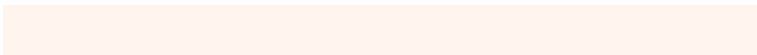
88.1242, 96.8157, 91.1334



86.8880, 96.8157, 117.1456



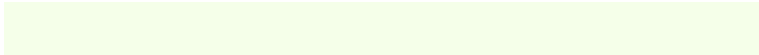
96.0298, 96.8157, 121.1176



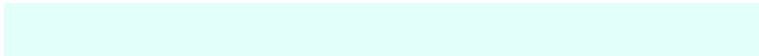
97.3511, 96.8157, 94.4964

Rectangle

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



88.1242, 96.8157, 91.1334



85.6268, 96.8157, 104.4607



96.0298, 96.8157, 121.1176



98.7247, 96.8157, 106.3768

Sweetspot

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



88.1249, 96.8160, 91.1349



92.5749, 98.8635, 102.4825



87.9692, 91.1853, 90.0562



19.6758, 21.0970, 21.5777



0.0000, 0.0000, 0.0000



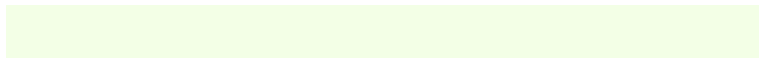
20.3446, 21.4041, 23.3091

Same Dimension

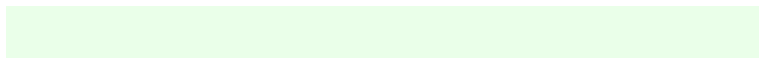
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1249, 96.8160, 91.1349



87.0765, 96.3328, 88.5000



84.4333, 94.9130, 90.9621



18.7186, 20.6563, 19.1448



24.4319, 40.3332, 6.4974



2.5048, 3.9920, 0.6385

Inverse Universe

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



84.1517, 84.5536, 106.4930



82.5143, 82.2524, 106.1351



88.0259, 86.5509, 106.6743



17.7873, 17.7821, 22.7447



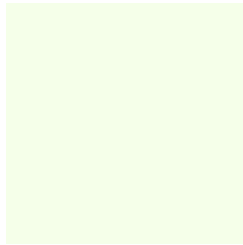
13.3552, 5.7953, 49.8493



1.4243, 0.6282, 4.8595

Previews

White Background



This preview shows how the XYZ color 88.1242, 96.8157, 91.1334 looks on a white background.

Color Contrast Check

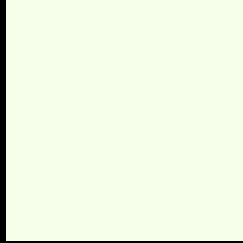
Large Text (above 18pt) WCAG AA × Fail

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 88.1242, 96.8157, 91.1334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

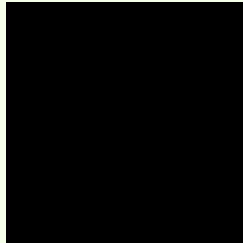
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

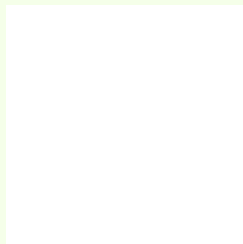
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 88.1242, 96.8157, 91.1334

Background



This preview shows how black text looks on a background with the XYZ color 88.1242, 96.8157, 91.1334.

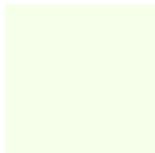


This preview shows how white text looks on a background with the XYZ color 88.1242, 96.8157,

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

88.1242, 96.8157, 91.1334



Protanopia

91.9148, 96.7254, 98.6195

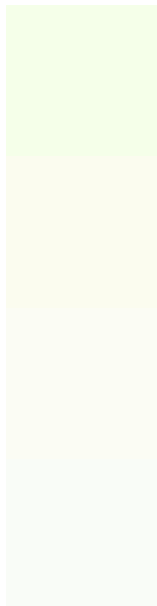
Deuteranopia

92.6809, 96.5333, 104.1905

Tritanopia

92.3308, 96.7236, 108.4109

Trichromacy



Original Color

88.1242, 96.8157, 91.1334

Protanomaly

90.1741, 96.3620, 95.5084

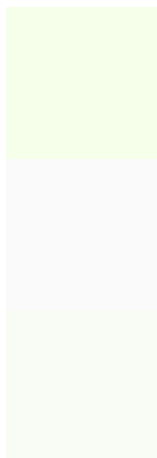
Deuteranomaly

90.9232, 96.6617, 99.4534

Tritanomaly

90.6658, 96.4759, 101.8388

Monochromacy



Original Color

88.1242, 96.8157, 91.1334

Achromatopsia

90.8653, 95.5973, 104.1055

Achromatomaly

89.8509, 96.1089, 99.4032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.1242, 96.8157, 91.1334 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(245, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 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(245, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 88.1242, 96.8157, 91.1334 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(245, 255, 233) }
```


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

```
.border{ border-color:rgb(245, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 88.1242, 96.8157, 91.1334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 233) }
```

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

```
.background{ background-color: rgb(245,  
255, 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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