

Converting Colors

XYZ(78.4117, 87.1956, 89.7885)

Have a look what the booklet for
XYZ(78.4117, 87.1956, 89.7885)
contains.

XYZ(78.4117, 87.1956, 89.7885)	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(78.4117, 87.1956,
89.7885)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F5E9
RGB	225, 245, 233
RGB Percent	88%, 96%, 91%
CMY	0.1176, 0.0392, 0.0863
CMYK	0.08, 0.00, 0.05, 0.04
HSL	144°, 50%, 92%
HSV	144°, 8%, 96%
XYZ	78.4117, 87.1956, 89.7885
YIQ	237.6520, -8.0680, -7.9720

Conversions

Conversions Part 2

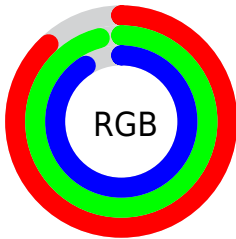
Format	Color
R _Y B	225, 239, 245
Decimal	14808553
CIE Lab	94.82, -8.74, 3.52
CIE LCh	95, 9.420, 158.051
Yxy	87.1956, 0.3070, 0.3414
Android (android.graphics.Color)	4292998633 (0xFFE1F5E9)
YUV	237.6520, -2.2934, -11.0958
Hunter-Lab	93.3786, -13.5228, 8.3545

Details

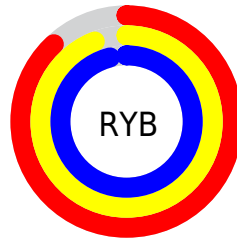
The XYZ color **78.4117, 87.1956, 89.7885** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.8706, 79.3794, 91.2370**, and the grayscale version is **81.0227, 85.2422, 92.8287**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7110, 48.1156, 48.6311** is the 20% darker color. If you saturate the color by 10%, you get **69.3017, 82.7343, 78.8523**, and if you desaturate by 10%, it is **88.7976, 92.2993, 101.7016**.

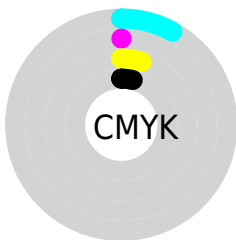
Distribution



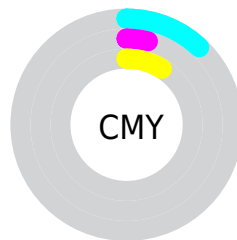
- Red (88%)
- Green (96%)
- Blue (91%)



- Red (88%)
- Yellow (94%)
- Blue (96%)



- Cyan (8%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (12%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4117, 87.1956, 89.7885 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 78.4117, 87.1956, 89.7885 by changing the saturation by 10% instead.

78.4117, 87.1956,
89.7885

78.4117, 87.1956,
89.7885

478.3823,
518.8654, 547.8949

58.7162, 65.6571,
67.2325

130.0926,
143.4367, 148.9775

42.6302, 47.9941,
48.8108

162.8088,
178.9082, 186.4477

29.7883, 33.8222,
34.1049

200.5958,
219.7927, 229.7262

19.8252, 22.7570,
22.6962

243.8191,
266.4747, 279.2318

12.3756, 14.4142,
14.1661

292.8441,
319.3385, 335.3829

7.0740, 8.4093,
8.0962

348.0361,

3.5552, 4.3580,

378.7687, 398.5981

4.0679

409.7603,
445.1495, 469.2960

■ 1.4537, 1.8757,
1.6627

■ 0.2940, 0.5337,
0.3350

■ 78.4117, 87.1956,
89.7885

■ 78.4117, 87.1956,
89.7885

■ 69.3017, 82.7343,
78.8523

■ 88.7976, 92.2993,
101.7016

■ 61.4096, 78.8787,
68.8626

■ 91.9441, 93.7882,
107.8647

■ 54.6836, 75.6051,
59.7960

■ 49.0653, 72.8838,
51.6255

■ 44.4911, 70.6825,
44.3233

■ 40.8905, 68.9657,
37.8598

■ 38.1838, 67.6927,
32.2035

■ 36.2775, 66.8161,
27.3211

■ 35.0439, 66.2706,
23.1754

Harmonies

Analogous

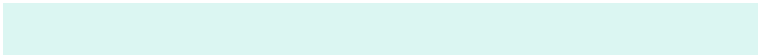
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8913, 87.1956, 84.3071



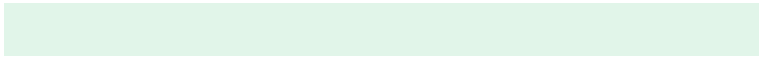
78.4117, 87.1956, 89.7885



78.1161, 87.1956, 96.9214

Triad

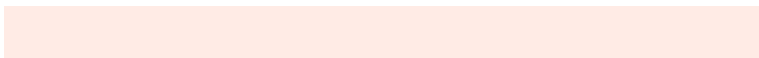
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4117, 87.1956, 89.7885



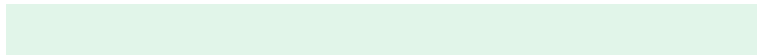
83.5654, 87.1956, 109.5349



86.7982, 87.1956, 86.5464

Complementary

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



78.4117, 87.1956, 89.7885



79.8706, 79.3794, 91.2370

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.



87.8271, 87.1956, 92.9881



78.4117, 87.1956, 89.7885



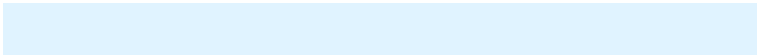
85.9358, 87.1956, 106.4339

Square

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



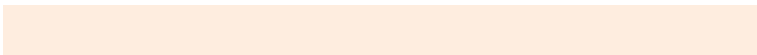
78.4117, 87.1956, 89.7885



81.0575, 87.1956, 108.5704



87.5083, 87.1956, 100.2873



84.7231, 87.1956, 82.5032

Rectangle

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



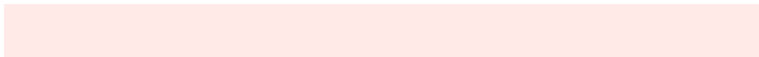
78.4117, 87.1956, 89.7885



78.6245, 87.1956, 101.6989



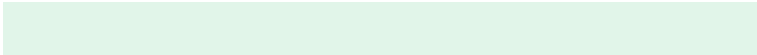
87.5083, 87.1956, 100.2873



87.2798, 87.1956, 88.4896

Sweetspot

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



78.4141, 87.1993, 89.7904



92.7096, 98.8500, 106.2390



81.2827, 88.8072, 84.0927



19.8682, 21.1700, 22.7675



0.0000, 0.0000, 0.0000



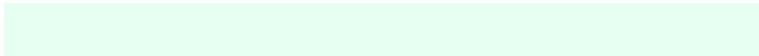
20.3446, 21.4041, 23.3091

Same Dimension

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



78.4141, 87.1993, 89.7904



83.9163, 94.5337, 96.0273



79.8340, 87.7673, 97.2675



16.5568, 18.5818, 18.9503



18.8417, 35.6815, 12.4521



1.7053, 3.1558, 1.3540

Inverse Universe

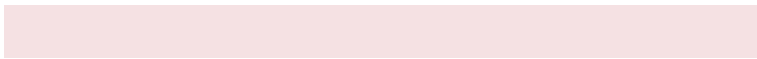
The Inverse Universe completely reimagines the original color for something new.



79.8706, 79.3794, 91.2370



85.8490, 84.1562, 97.9466



78.4952, 78.8293, 83.9943



16.9167, 16.6495, 19.3077



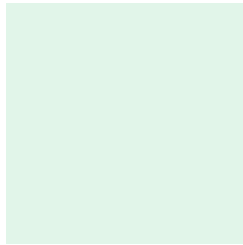
23.1943, 11.6211, 16.2632



2.0892, 1.0417, 1.6962

Previews

White Background



This preview shows how the XYZ color 78.4117, 87.1956, 89.7885 looks on a white background.

Color Contrast Check

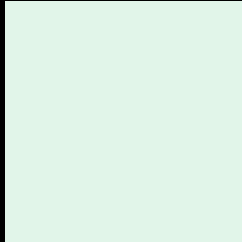
Large Text (above 18pt) WCAG AA × Fail

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 78.4117, 87.1956, 89.7885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

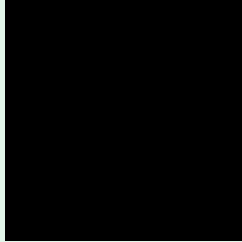
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

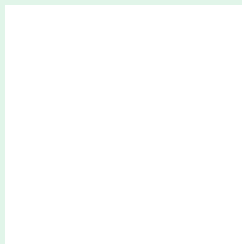
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4117, 87.1956, 89.7885

Background



This preview shows how black text looks on a background with the XYZ color 78.4117, 87.1956, 89.7885.



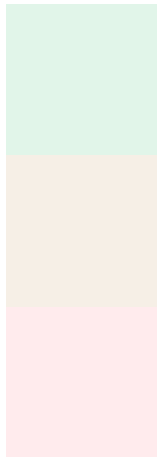
This preview shows how white text looks on a background with the XYZ color 78.4117, 87.1956,

89.7885.

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

78.4117, 87.1956, 89.7885

Protanopia

83.1555, 87.0390, 87.2804

Deuteranopia

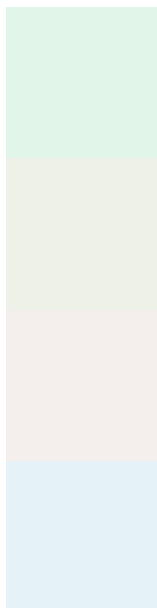
86.2344, 86.7911, 92.3281



Tritanopia

82.7840, 87.2864, 107.0925

Trichromacy



Original Color

78.4117, 87.1956, 89.7885

Protanomaly

81.1390, 86.8573, 88.0899

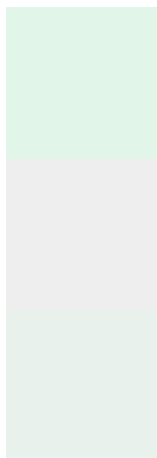
Deuteranomaly

83.3151, 87.0222, 91.7627

Tritanomaly

80.8537, 86.8777, 100.5033

Monochromacy



Original Color

78.4117, 87.1956, 89.7885

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.1999, 86.2904, 91.7856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4117, 87.1956, 89.7885 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(225, 245, 233)` looks like.

```
.text, #text, p{  
    color:rgb(225, 245, 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(225, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 245, 233) }
```

Border

The CSS property to change the border of an element to XYZ 78.4117, 87.1956, 89.7885 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(225, 245, 233) }
```


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

```
.border{ border-color:rgb(225, 245, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 245, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(225, 245,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4117, 87.1956, 89.7885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 245, 233) }
```

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

```
.background{ background-color: rgb(225,  
245, 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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