

Converting Colors

XYZ(87.8618, 91.3920, 98.7660)

Have a look what the booklet for
XYZ(87.8618, 91.3920, 98.7660)
contains.

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Color

**XYZ(87.7467, 91.3728,
98.5999)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F4F4
RGB	249, 244, 244
RGB Percent	98%, 96%, 96%
CMY	0.0235, 0.0431, 0.0431
CMYK	0.00, 0.02, 0.02, 0.02
HSL	0°, 29%, 97%
HSV	0°, 2%, 98%
XYZ	87.7467, 91.3728, 98.5999
YIQ	245.4950, 2.9800, 1.0600

Conversions

Conversions Part 2

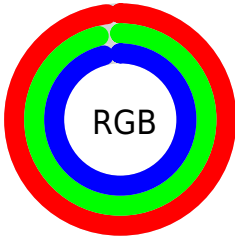
Format	Color
R_{YB}	249, 244, 244
Decimal	16381172
CIE _{Lab}	96.56, 1.67, 0.58
CIE _{LCh}	97, 1.767, 19.162
Yxy	91.3728, 0.3160, 0.3290
Android (android.graphics.Color)	4294571252 (0xFF9F4F4)
YUV	245.4950, -0.7370, 3.0739
Hunter-Lab	95.5891, -3.4256, 5.7549

Details

The XYZ color **87.7467, 91.3728, 98.5999** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.2826, 93.8225, 103.0802**, and the grayscale version is **87.1960, 91.7370, 99.9016**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0526, 50.9347, 54.8230** is the 20% darker color. If you saturate the color by 10%, you get **77.2318, 75.9895, 77.6848**, and if you desaturate by 10%, it is **92.8774, 98.8800, 108.7983**.

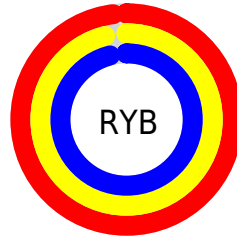
Distribution



Red (98%)

Green (96%)

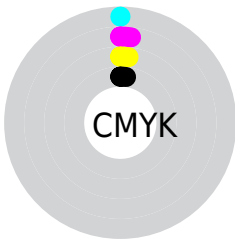
Blue (96%)



Red (98%)

Yellow (96%)

Blue (96%)

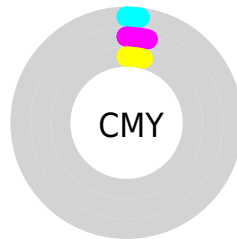


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (2%)



Cyan (2%)

Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.7467, 91.3728, 98.5999 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 87.7467, 91.3728, 98.5999 by changing the saturation by 10% instead.

87.7467, 91.3728,
98.5999

87.7467, 91.3728,
98.5999

509.0212,
532.4865, 576.9027

66.4434, 69.1198,
74.5214

143.0988,
149.2438, 161.2669

48.9015, 50.8093,
54.7215

177.8783,
185.6306, 200.6924

34.7555, 36.0568,
38.7817

217.8806,
227.4975, 246.0707

23.6403, 24.4781,
26.2834

263.4710,
275.2288, 297.8203

15.1903, 15.6887,
16.8081

315.0149,
329.2090, 356.3598

9.0402, 9.3041,
9.9373

372.8777,

4.8247, 4.9401,

389.8224, 422.1077

5.2523

437.4247,
457.4534, 495.4825

■ 2.1785, 2.2121,
2.3347

■ 0.7314, 0.7266,
0.7506

■ 87.7467, 91.3728,
98.5999

■ 87.7467, 91.3728,
98.5999

■ 77.2318, 75.9895,
77.6848

■ 92.8774, 98.8800,
108.7983

■ 68.1750, 62.7388,
59.6742

■ 60.5142, 51.5301,
44.4414

■ 54.1802, 42.2620,
31.8484

■ 49.0975, 34.8243,
21.7450

■ 45.1833, 29.0959,
13.9662

■ 42.3447, 24.9409,
8.3272

■ 40.4748, 22.2031,
4.6149

■ 39.4447, 20.6940,
2.5726

Harmonies

Analogous

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



87.7826, 91.3728, 100.0014



87.7467, 91.3728, 98.5999



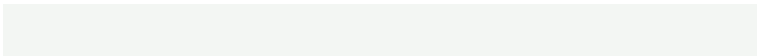
87.4692, 91.3728, 97.4471

Triad

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



87.7467, 91.3728, 98.5999



86.1310, 91.3728, 97.7226



86.6688, 91.3728, 102.1830

Complementary

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



87.7467, 91.3728, 98.5999



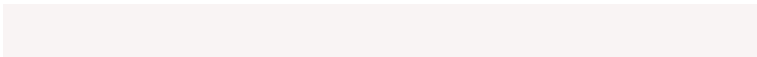
88.2826, 93.8225, 103.0802

Split Complementary

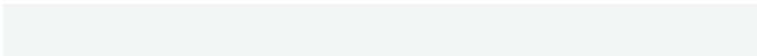
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2280, 91.3728, 101.5601



87.7467, 91.3728, 98.5999



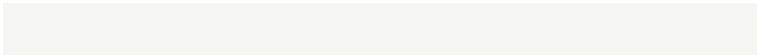
85.9183, 91.3728, 98.9792

Square

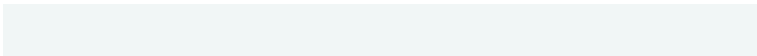
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



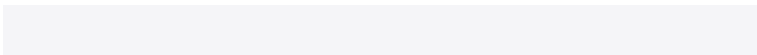
87.7467, 91.3728, 98.5999



86.5359, 91.3728, 96.9439



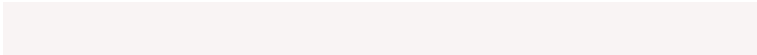
85.9537, 91.3728, 100.3843



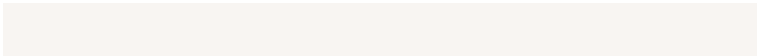
87.1590, 91.3728, 102.0791

Rectangle

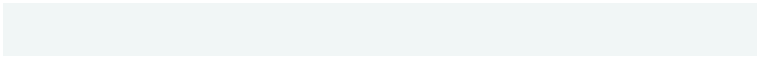
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7467, 91.3728, 98.5999



87.1852, 91.3728, 96.9707



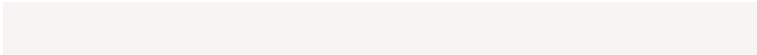
85.9537, 91.3728, 100.3843



86.5099, 91.3728, 102.0515

Sweetspot

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



87.7493, 91.3767, 98.6019



93.8347, 98.2220, 106.4829



88.5177, 91.6820, 102.6546



20.0973, 21.0423, 22.8172



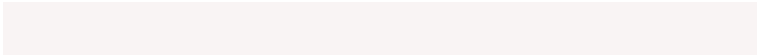
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



87.7493, 91.3767, 98.6019



92.6356, 96.4677, 104.0980



88.5053, 92.8888, 98.8539



19.0063, 19.8032, 21.3799



20.9137, 10.7841, 0.9793



1.9374, 0.9996, 0.0908

Inverse Universe

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



88.2826, 93.8225, 103.0802



93.1971, 99.0427, 108.8129



87.5164, 92.2901, 102.8248



19.1155, 20.3040, 22.2969



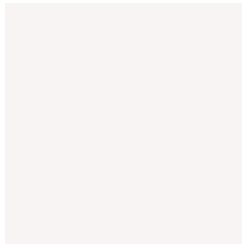
27.2505, 39.8565, 54.2304



2.5243, 3.6922, 5.0228

Previews

White Background



This preview shows how the XYZ color 87.7467, 91.3728, 98.5999 looks on a white background.

Color Contrast Check

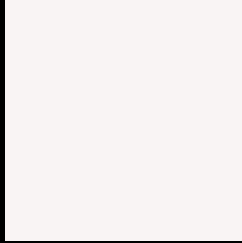
Large Text (above 18pt) WCAG AA × Fail

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 87.7467, 91.3728, 98.5999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

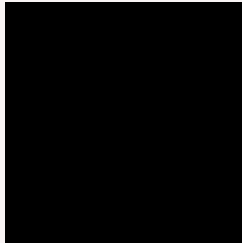
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

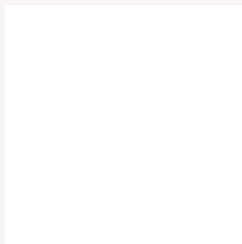
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.7467, 91.3728, 98.5999

Background



This preview shows how black text looks on a background with the XYZ color 87.7467, 91.3728, 98.5999.

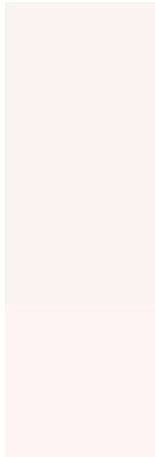


This preview shows how white text looks on a background with the XYZ color 87.7467, 91.3728,

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

87.7467, 91.3728, 98.5999

Protanopia

87.7467, 91.3728, 98.5999

Deuteranopia

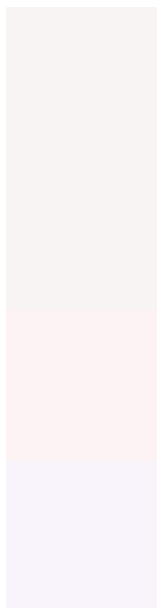
89.4736, 91.3568, 99.3041



Tritanopia

89.1675, 91.4609, 107.5618

Trichromacy



Original Color

87.7467, 91.3728, 98.5999

Protanomaly

87.7467, 91.3728, 98.5999

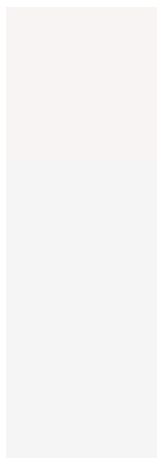
Deuteranomaly

89.0400, 91.5764, 99.3693

Tritanomaly

88.5301, 91.2060, 104.2053

Monochromacy



Original Color

87.7467, 91.3728, 98.5999

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

87.1399, 91.4902, 99.4528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7467, 91.3728, 98.5999 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(249, 244, 244) looks like.

```
.text, #text, p{  
    color:rgb(249, 244, 244)  
}
```

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(249, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 244, 244) }
```

Border

The CSS property to change the border of an element to XYZ 87.7467, 91.3728, 98.5999 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(249, 244, 244) }
```


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

```
.border{ border-color:rgb(249, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(249, 244,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7467, 91.3728, 98.5999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 244, 244) }
```

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

```
.background{ background-color: rgb(249,  
244, 244) }
```

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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