

Converting Colors

XYZ(83.2110, 87.5444, 95.3359)

Have a look what the booklet for
XYZ(83.2110, 87.5444, 95.3359)
contains.

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Color

**XYZ(83.1187, 87.7271,
94.9903)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F1F0
RGB	240, 241, 240
RGB Percent	94%, 95%, 94%
CMY	0.0588, 0.0549, 0.0588
CMYK	0.00, 0.00, 0.00, 0.05
HSL	120°, 3%, 94%
HSV	120°, 0%, 95%
XYZ	83.1187, 87.7271, 94.9903
YIQ	240.5870, -0.2750, -0.5230

Conversions

Conversions Part 2

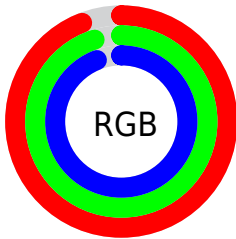
Format	Color
R_{YB}	240, 241, 241
Decimal	15790576
CIE _{Lab}	95.05, -0.50, 0.35
CIE _{LCh}	95, 0.616, 144.895
Yxy	87.7271, 0.3127, 0.3300
Android (android.graphics.Color)	4293980656 (0xFFFF0F1F0)
YUV	240.5870, -0.2894, -0.5148
Hunter-Lab	93.6627, -5.5044, 5.4336

Details

The XYZ color **83.1187, 87.7271, 94.9903** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.3161, 87.3741, 95.6971**, and the grayscale version is **83.2890, 87.6266, 95.4253**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7679, 48.3490, 52.2675** is the 20% darker color. If you saturate the color by 10%, you get **72.1292, 82.4509, 77.0118**, and if you desaturate by 10%, it is **90.7470, 91.3939, 107.4657**.

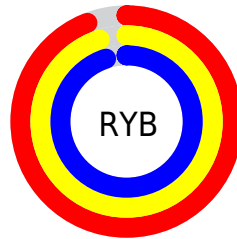
Distribution



Red (94%)

Green (95%)

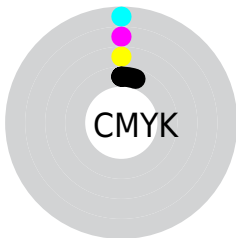
Blue (94%)



Red (94%)

Yellow (95%)

Blue (95%)

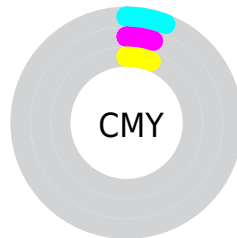


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (6%)

Magenta (5%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1187, 87.7271, 94.9903 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 83.1187, 87.7271, 94.9903 by changing the saturation by 10% instead.

83.1187, 87.7271,
94.9903

83.1187, 87.7271,
94.9903

493.9600,
520.6091, 565.1175

62.6053, 66.0971,
71.5301

136.6694,
144.1772, 156.2467

45.7794, 48.3512,
52.2904

170.4373,
179.7660, 194.8799

32.2757, 34.1051,
36.8528

209.3543,
220.7766, 239.4078

21.7287, 22.9744,
24.7986

253.7854,
267.5933, 290.2490

13.7732, 14.5746,
15.7094

304.0962,
320.6005, 347.8221

8.0437, 8.5214,
9.1666

360.6520,

4.1750, 4.4303,

380.1826, 412.5455

4.7517

423.8182,
446.7240, 484.8377

■ 1.8016, 1.9171,
2.0462

■ 0.5186, 0.5586,
0.5835

■ 83.1187, 87.7271,
94.9903

■ 83.1187, 87.7271,
94.9903

■ 72.1292, 82.4509,
77.0118

■ 90.7470, 91.3939,
107.4657

■ 62.6381, 77.8918,
61.4867

■ 54.5828, 74.0225,
48.3104

■ 47.8936, 70.8093,
37.3686

■ 42.4946, 68.2159,
28.5376

■ 38.3027, 66.2023,
21.6812

■ 35.2253, 64.7241,
16.6479

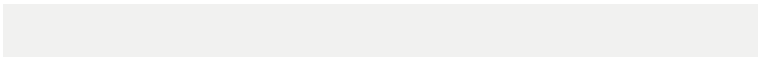
■ 33.1562, 63.7302,
13.2639

■ 31.9686, 63.1597,
11.3218

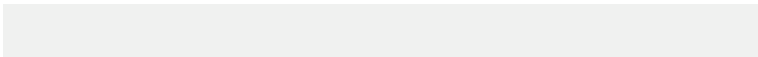
Harmonies

Analogous

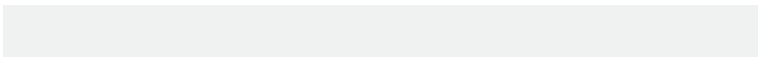
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2464, 87.7271, 94.6854



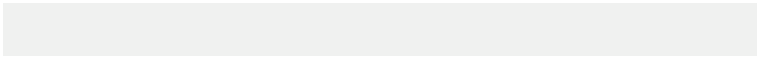
83.1187, 87.7271, 94.9903



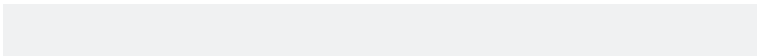
83.0615, 87.7271, 95.4378

Triad

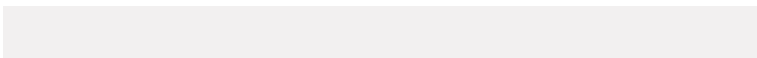
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1187, 87.7271, 94.9903



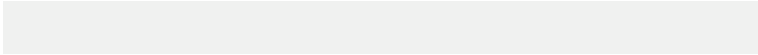
83.3533, 87.7271, 96.4418



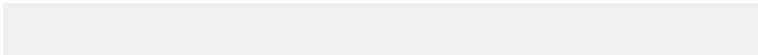
83.6745, 87.7271, 95.1320

Complementary

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



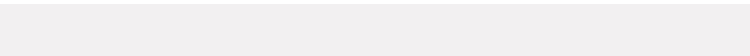
83.1187, 87.7271, 94.9903



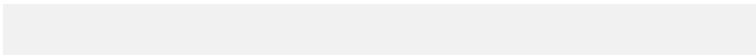
83.3161, 87.3741, 95.6971

Split Complementary

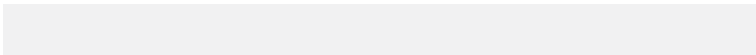
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7033, 87.7271, 95.6020



83.1187, 87.7271, 94.9903



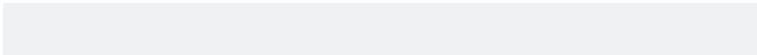
83.5177, 87.7271, 96.3592

Square

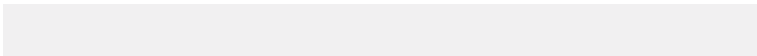
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



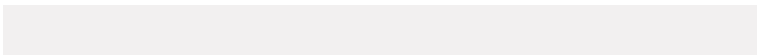
83.1187, 87.7271, 94.9903



83.1969, 87.7271, 96.2767



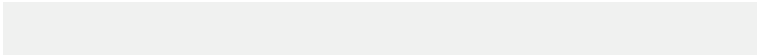
83.6458, 87.7271, 96.0515



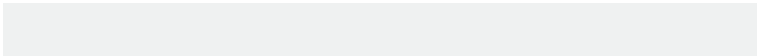
83.5674, 87.7271, 94.7671

Rectangle

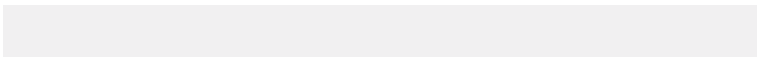
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



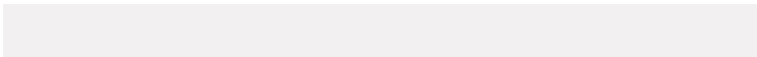
83.1187, 87.7271, 94.9903



83.0710, 87.7271, 95.7573



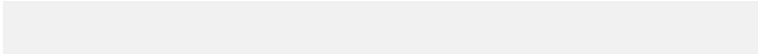
83.6458, 87.7271, 96.0515



83.6937, 87.7271, 95.2829

Sweetspot

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



83.1212, 87.7309, 94.9922

95.0500, 100.0000, 108.9000



83.4580, 87.8971, 95.0066



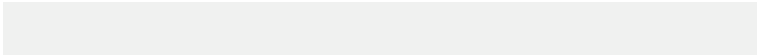
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

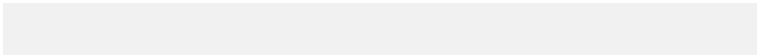
Same Dimension

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



83.1212, 87.7309, 94.9922

95.0500, 100.0000, 108.9000



83.1934, 87.7597, 95.3724



17.8044, 18.7317, 20.3988



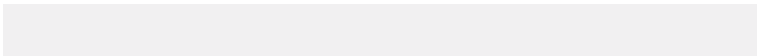
17.0577, 34.1151, 5.6858



1.4191, 2.8381, 0.4730

Inverse Universe

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



83.3161, 87.3741, 95.6971

95.0500, 100.0000, 108.9000



83.2438, 87.3452, 95.3159



17.8044, 18.7317, 20.3988



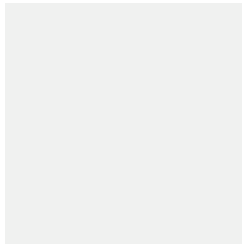
28.2777, 13.5831, 46.2593



2.3525, 1.1300, 3.8483

Previews

White Background



This preview shows how the XYZ color 83.1187, 87.7271, 94.9903 looks on a white background.

Color Contrast Check

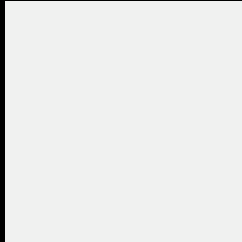
Large Text (above 18pt) WCAG AA × Fail

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 83.1187, 87.7271, 94.9903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

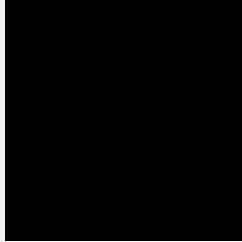
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

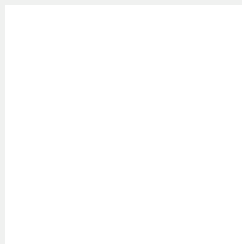
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.1187, 87.7271, 94.9903

Background



This preview shows how black text looks on a background with the XYZ color 83.1187, 87.7271, 94.9903.



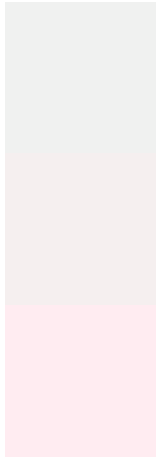
This preview shows how white text looks on a background with the XYZ color 83.1187, 87.7271,

94.9903.

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

83.1187, 87.7271, 94.9903

Protanopia

84.1027, 87.3775, 94.0942

Deuteranopia

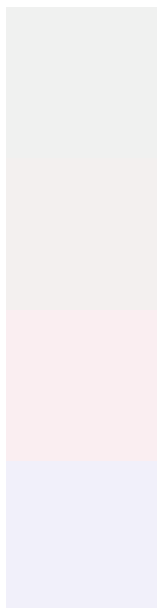
87.1126, 87.6018, 95.5366



Tritanopia

85.5345, 87.8302, 107.0525

Trichromacy



Original Color

83.1187, 87.7271, 94.9903

Protanomaly

83.7022, 87.6069, 94.1596

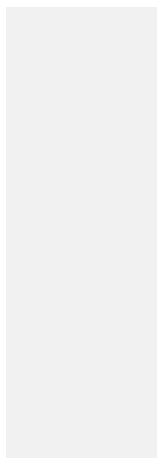
Deuteranomaly

85.8761, 87.8239, 95.6446

Tritanomaly

84.6910, 87.9231, 102.9496

Monochromacy



Original Color

83.1187, 87.7271, 94.9903

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.6081, 87.9622, 95.7909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1187, 87.7271, 94.9903 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(240, 241, 240) looks like.

```
.text, #text, p{  
    color:rgb(240, 241, 240)  
}
```

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(240, 241, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 241, 240) }
```

Border

The CSS property to change the border of an element to XYZ 83.1187, 87.7271, 94.9903 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(240, 241, 240) }
```

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

```
.border{ border-color:rgb(240, 241, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 241, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 241, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 241, 240);  
box-shadow:4px 4px 4px 4px rgb(240, 241,  
240) }
```


Background

The CSS property to change the background color of an element to XYZ 83.1187, 87.7271, 94.9903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 241, 240) }
```

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

```
.background{ background-color: rgb(240,  
241, 240) }
```

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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