Converting Colors

XYZ(87.7124, 87.1208, 78.5055)

Have a look what the booklet for XYZ(87.7124, 87.1208, 78.5055) contains.

Color

XYZ(83.0338, 84.5998, 78.2827)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9DA
RGB	255, 233, 218
RGB Percent	100%, 91%, 85%
CMY	0.0000, 0.0863, 0.1451
CMYK	0.00, 0.09, 0.15, 0.00
HSL	24°, 100%, 93%
HSV	24°, 15%, 100%
XYZ	83.0338, 84.5998, 78.2827
YIQ	237.8680, 17.9270, -0.0010

Conversions

Conversions Part 2

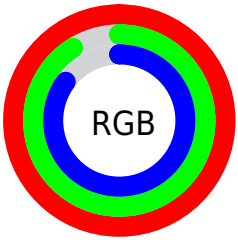
Format	Color
RYB	255, 243, 218
Decimal	16771546
CIELab	93.71, 5.09, 9.99
CIELCh	94, 11.208, 62.994
Yxy	84.5998, 0.3377, 0.3440
Android (android.graphics.Color)	4294961626 (0xFFFFE9DA)
YUV	237.8680, -9.7949, 15.0248
Hunter-Lab	91.9781, 0.1801, 13.9229

Details

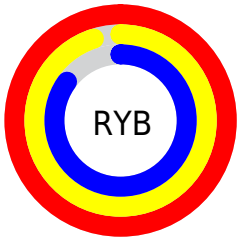
The XYZ color 83.0338, 84.5998, 78.2827 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 78.1227, 84.4432, 106.7894, and the grayscale version is 81.2313, 85.4617, 93.0678.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 45.6217, 46.0944, 41.1429 is the 20% darker color. If you saturate the color by 10%, you get 75.8420, 75.1519, 60.6696, and if you desaturate by 10%, it is 91.1116, 94.9976, 98.7261.

Distribution

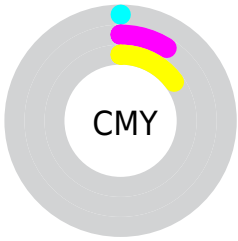


- Red (100%)
- Green (91%)
- Blue (85%)



- Red (100%)
- Yellow (95%)
- Blue (85%)

- Cyan (0%)
- Magenta (9%)
- Yellow (15%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.0338, 84.5998, 78.2827 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 83.0338, 84.5998, 78.2827 by changing the saturation by 10% instead.

83.0338, 84.5998, 78.2827

83.0338, 84.5998, 78.2827

493.6814, 510.3029, 508.6797

62.5350, 63.5108, 57.7884

136.5511, 139.8139, 132.7381

45.7224, 46.2545, 41.2250

170.3003, 174.7077, 167.5362

32.2305, 32.4467, 28.1739

209.1971, 214.9720, 207.9394

21.6940, 21.7029, 18.2166

253.6067, 260.9910, 254.3661

13.7476, 13.6388, 10.9346

303.8946, 313.1492, 307.2350

8.0258, 7.8699, 5.9092

360.4261,

4.1634, 4.0118,

371.8310, 366.9645

423.5666, 437.4208, 433.9733

2.7221

1.7950, 1.6802, 0.9545

0.5147, 0.4108, 0.0000

83.0338, 84.5998, 78.2827

75.8420, 75.1519, 60.6696

69.4978, 66.6152, 45.7551

63.9682, 58.9642, 33.4052

59.2159, 52.1678, 23.4719

83.0338, 84.5998, 78.2827

91.1116, 94.9976, 98.7261

95.0500, 100.0000, 108.9000

55.2000, 46.1930, 15.7920

51.8753, 41.0040, 10.1817

49.1906, 36.5618, 6.4278

47.0845, 32.8222, 4.2692

46.1316, 31.0431, 3.5605

Harmonies

Analogous

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

85.3009, 84.5998, 83.4829

83.0338, 84.5998, 78.2827

80.1113, 84.5998, 76.7114

Triad

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

83.0338, 84.5998, 78.2827

74.8341, 84.5998, 92.9727

83.5633, 84.5998, 106.5421

Complementary

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

83.0338, 84.5998, 78.2827

78.1227, 84.4432, 106.7894

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.

80.7086, 84.5998, 109.4533

83.0338, 84.5998, 78.2827

75.7089, 84.5998, 101.3221

Square

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

83.0338, 84.5998, 78.2827

75.4224, 84.5998, 84.8778

77.8412, 84.5998, 107.4872

85.6119, 84.5998, 99.7519

Rectangle

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

83.0338, 84.5998, 78.2827

78.1968, 84.5998, 77.8488

77.8412, 84.5998, 107.4872

82.6637, 84.5998, 108.0251

Sweetspot

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

83.0358, 84.6034, 78.2845

91.5470, 95.5525, 99.8446

82.0699, 77.7069, 93.2679

19.4573, 20.2769, 21.0177

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.

83.0358, 84.6034, 78.2845

81.1627, 82.1620, 73.6372

88.4861, 95.5041, 80.1013

18.6141, 19.1964, 18.8685

24.2421, 16.4954, 1.9062

2.4643, 1.8139, 0.2202

Inverse Universe

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

78.1227, 84.4432, 106.7894

75.5064, 81.9767, 106.4512

73.0060, 74.2098, 105.0838

17.9009, 19.1734, 23.0073

15.4138, 15.7373, 51.6598

1.6081, 1.7469, 5.0657

Previews

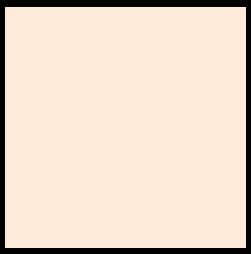
White Background

This preview shows how the XYZ color 83.0338, 84.5998, 78.2827 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



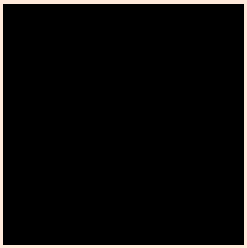
This preview shows how the XYZ color 83.0338, 84.5998, 78.2827 looks on a black background.

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 83.0338, 84.5998, 78.2827 Background



This preview shows how black text looks on a background with the XYZ color 83.0338, 84.5998, 78.2827.

This preview shows how white text looks on a background with the XYZ color 83.0338, 84.5998,

78.2827.

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
83.0338, 84.5998, 78.2827

Protanopia
80.5699, 84.5707, 79.7874

Deuteranopia
83.9617, 84.5193, 84.5616

Tritanopia
86.0182, 84.4462, 98.1523

Trichromacy

Original Color
83.0338, 84.5998, 78.2827

Protanomaly
81.5614, 84.6709, 79.0622

Deuteranomaly
83.5512, 84.3550, 82.3995

Tritanomaly
84.8113, 84.4100, 90.4200

Monochromacy

Original Color
83.0338, 84.5998, 78.2827

Achromatopsia
81.2670, 85.4993, 93.1087

Achromatomaly
81.7275, 84.9935, 87.6992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0338, 84.5998, 78.2827 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(255, 233, 218) looks like.

```
.text, #text, p{
    color:rgb(255, 233, 218)
}
```

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(255, 233, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 218) }
```

Border

The CSS property to change the border of an element to XYZ 83.0338, 84.5998, 78.2827 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(255, 233, 218) }
```

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

```
.border{ border-color:rgb(255, 233, 218) }
```

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

Here you see how a box with a 4 pixel rgb(255, 233, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 233, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 233, 218); box-shadow:4px 4px 4px 4px rgb(255, 233, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0338, 84.5998, 78.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 233, 218) }
```

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

```
.background{ background-color:rgb(255,
233, 218) }
```

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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