

Converting Colors

XYZ(108.7638, 100.0000,
74.0364)

Have a look what the booklet for
XYZ(108.7638, 100.0000, 74.0364)
contains.

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Color

**XYZ(83.3232, 87.0125,
72.7251)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFEED1
RGB	255, 238, 209
RGB Percent	100%, 93%, 82%
CMY	0.0000, 0.0666, 0.1804
CMYK	0.00, 0.07, 0.18, 0.00
HSL	38°, 100%, 91%
HSV	38°, 18%, 100%
XYZ	83.3232, 87.0125, 72.7251
YIQ	239.7770, 19.4410, -5.4150

Conversions

Conversions Part 2

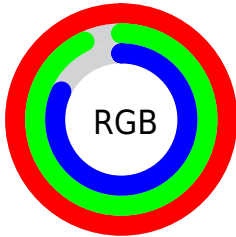
Format	Color
R _Y B	236, 255, 209
Decimal	16772817
CIE Lab	94.74, 1.19, 16.11
CIE LCh	95, 16.156, 85.773
Yxy	87.0125, 0.3428, 0.3580
Android (android.graphics.Color)	4294962897 (0xFFFFEED1)
YUV	239.7770, -15.1731, 13.3506
Hunter-Lab	93.2805, -3.7950, 19.0716

Details

The XYZ color **83.3232, 87.0125, 72.7251** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.5402, 75.1660, 105.3457**, and the grayscale version is **82.7560, 87.0658, 94.8147**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9330, 47.8282, 37.8212** is the 20% darker color. If you saturate the color by 10%, you get **77.7443, 80.5092, 56.5164**, and if you desaturate by 10%, it is **89.5550, 94.0124, 91.6466**.

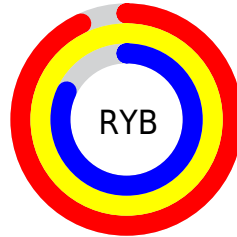
Distribution



Red (100%)

Green (93%)

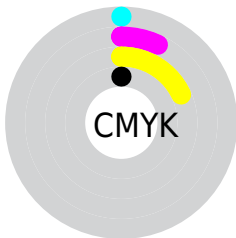
Blue (82%)



Red (93%)

Yellow (100%)

Blue (82%)

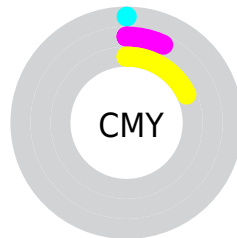


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3232, 87.0125, 72.7251 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 83.3232, 87.0125, 72.7251 by changing the saturation by 10% instead.


 83.3232, 87.0125,
72.7251

 83.3232, 87.0125,
72.7251


494.6307,
518.2639, 489.1067

 62.7746, 65.5056,
53.2608


136.9542,
143.1816, 124.8042

 45.9169, 47.8711,
37.6218


170.7674,
178.6125, 158.2560

 32.3846, 33.7248,
25.3898


209.7327,
219.4535, 197.2074

 21.8124, 22.6823,
16.1460

254.2157,
266.0890, 242.0768

 13.8349, 14.3591,
9.4721

304.5817,
318.9034, 293.2830

 8.0869, 8.3708,
4.9494

361.1959,

 4.2029, 4.3331,

378.2811, 351.2443

2.1594

424.4238,
444.6065, 416.3794

■ 1.8175, 1.8616,
0.6508

■ 0.5282, 0.5251,
0.0000

■ 83.3232, 87.0125,
72.7251

■ 83.3232, 87.0125,
72.7251

■ 77.7443, 80.5092,
56.5164

■ 89.5550, 94.0124,
91.6466

■ 72.7862, 74.4776,
42.8880

95.0500, 100.0000,
108.9000

■ 68.4226, 68.9064,
31.7043

■ 64.6230, 63.7798,
22.8152

■ 61.3535, 59.0804,
16.0536

■ 58.5757, 54.7892,
11.2297

■ 56.2448, 50.8842,
8.1194

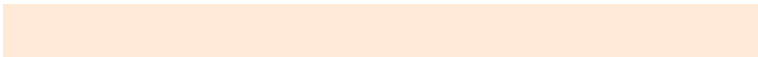
■ 54.3006, 47.3374,
6.4187

■ 53.9484, 46.6768,
6.1661

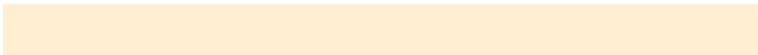
Harmonies

Analogous

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



87.5164, 87.0125, 76.2163



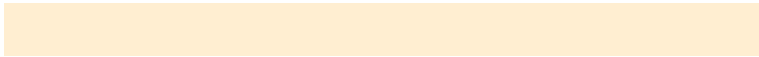
83.3232, 87.0125, 72.7251



79.1050, 87.0125, 74.6934

Triad

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



83.3232, 87.0125, 72.7251



75.3690, 87.0125, 105.5881



89.8419, 87.0125, 108.9226

Complementary

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



83.3232, 87.0125, 72.7251



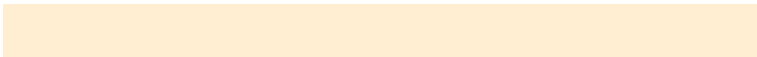
71.5402, 75.1660, 105.3457

Split Complementary

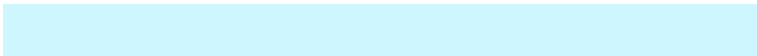
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4080, 87.0125, 118.0905



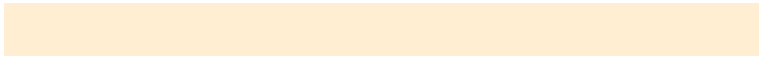
83.3232, 87.0125, 72.7251



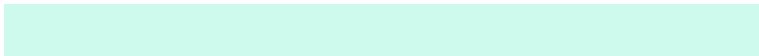
78.0690, 87.0125, 116.0495

Square

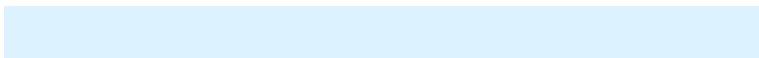
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3232, 87.0125, 72.7251



74.6079, 87.0125, 92.9804



82.0854, 87.0125, 120.8061



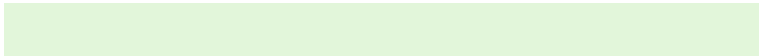
91.3630, 87.0125, 96.5253

Rectangle

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



83.3232, 87.0125, 72.7251



76.8302, 87.0125, 78.9382



82.0854, 87.0125, 120.8061



88.8672, 87.0125, 112.5254

Sweetspot

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



83.3252, 87.0162, 72.7269



91.5803, 96.2372, 97.9502



77.8556, 72.3877, 82.2776



19.5005, 20.4877, 20.6483



0.0000, 0.0000, 0.0000



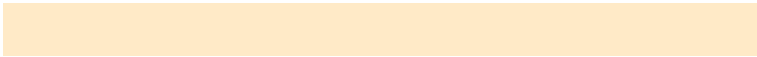
20.3446, 21.4041, 23.3091

Same Dimension

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



83.3252, 87.0162, 72.7269



81.0381, 84.3807, 65.9879



86.5620, 96.3799, 74.3637



18.9641, 19.8963, 18.9852



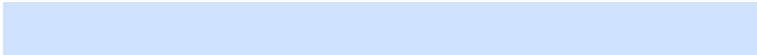
28.3369, 24.6849, 3.2712



2.8636, 2.6126, 0.3533

Inverse Universe

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



71.5402, 75.1660, 105.3457



67.0718, 70.3387, 104.6494



68.6901, 67.1735, 103.9532



17.5526, 18.4768, 22.8912



11.6630, 8.2355, 50.4095



1.2358, 1.0023, 4.9416

Previews

White Background



This preview shows how the XYZ color 83.3232, 87.0125, 72.7251 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 83.3232, 87.0125, 72.7251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

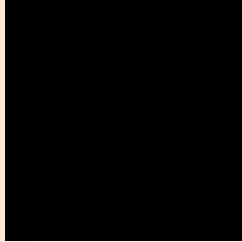
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.3232, 87.0125, 72.7251

Background



This preview shows how black text looks on a background with the XYZ color 83.3232, 87.0125, 72.7251.



This preview shows how white text looks on a background with the XYZ color 83.3232, 87.0125,

72.7251.

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

83.3232, 87.0125, 72.7251

Protanopia

82.2830, 86.8954, 73.4085

Deuteranopia

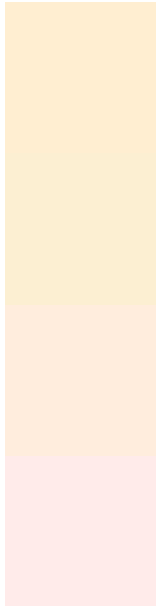
85.2390, 86.8523, 85.6704



Tritanopia

87.6061, 86.8829, 100.9597

Trichromacy



Original Color

83.3232, 87.0125, 72.7251

Protanomaly

82.6442, 87.0816, 73.4254

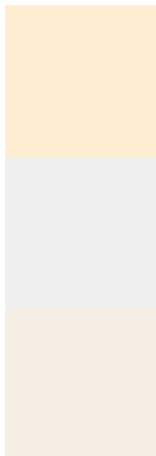
Deuteranomaly

84.5753, 87.0488, 80.7511

Tritanomaly

85.7996, 86.6172, 90.0386

Monochromacy



Original Color

83.3232, 87.0125, 72.7251

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.6655, 86.8026, 86.5264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3232, 87.0125, 72.7251 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, 238, 209) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 209)  
}
```

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, 238, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 209) }
```

Border

The CSS property to change the border of an element to XYZ 83.3232, 87.0125, 72.7251 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, 238, 209) }
```


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

```
.border{ border-color:rgb(255, 238, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3232, 87.0125, 72.7251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 209) }
```

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

```
.background{ background-color: rgb(255,  
238, 209) }
```

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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