

Converting Colors

XYZ(83.4581, 84.7623, 72.8315)

Have a look what the booklet for
XYZ(83.4581, 84.7623, 72.8315)
contains.

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Color

**XYZ(82.0118, 84.1910,
72.9008)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE9D2
RGB	255, 233, 210
RGB Percent	100%, 91%, 82%
CMY	0.0000, 0.0862, 0.1765
CMYK	0.00, 0.09, 0.18, 0.00
HSL	31°, 100%, 91%
HSV	31°, 18%, 100%
XYZ	82.0118, 84.1910, 72.9008
YIQ	236.9560, 20.4950, -2.4890

Conversions

Conversions Part 2

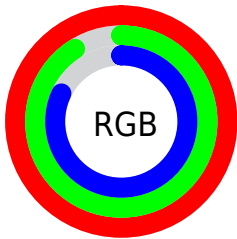
Format	Color
R_{YB}	253, 255, 210
Decimal	16771538
CIE _{Lab}	93.53, 3.88, 13.88
CIE _{LCh}	94, 14.417, 74.375
Yxy	84.1910, 0.3430, 0.3521
Android (android.graphics.Color)	4294961618 (0xFFFFE9D2)
YUV	236.9560, -13.2893, 15.8246
Hunter-Lab	91.7557, -1.0279, 17.1224

Details

The XYZ color **82.0118, 84.1910, 72.9008** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **73.4842, 78.6326, 105.9123**, and the grayscale version is **80.5522, 84.7472, 92.2897**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0116, 45.8503, 37.9301** is the 20% darker color. If you saturate the color by 10%, you get **75.6803, 76.2135, 56.3456**, and if you desaturate by 10%, it is **89.1028, 92.8767, 92.2087**.

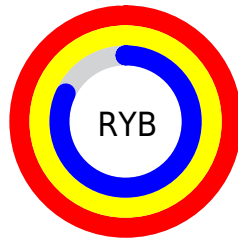
Distribution



Red (100%)

Green (91%)

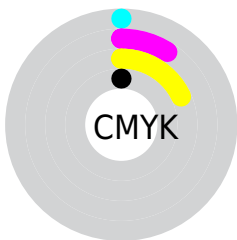
Blue (82%)



Red (99%)

Yellow (100%)

Blue (82%)

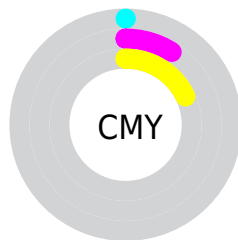


Cyan (0%)

Magenta (9%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.0118, 84.1910, 72.9008 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 82.0118, 84.1910, 72.9008 by changing the saturation by 10% instead.


 82.0118, 84.1910,
72.9008

 82.0118, 84.1910,
72.9008

490.3211,
508.9473, 489.7325

 61.6894, 63.1731,
53.4035

135.1263,
139.2423, 125.0560

 45.0364, 45.9813,
37.7351


168.6491,
174.0446, 158.5510

 31.6875, 32.2311,
25.4769


207.3027,
214.2104, 197.5489

 21.2773, 21.5380,
16.2105

251.4526,
260.1243, 242.4684

 13.4405, 13.5179,
9.5172

301.4640,
312.1705, 293.7280

 7.8116, 7.7861,
4.9787

357.7023,

 4.0254, 3.9584,

370.7334, 351.7462

2.1762

420.5329,
436.1976, 416.9415

■ 1.7165, 1.6503,
0.6606

■ 0.4666, 0.3912,
0.0000

■ 82.0118, 84.1910,
72.9008

■ 82.0118, 84.1910,
72.9008

■ 75.6803, 76.2135,
56.3456

■ 89.1028, 92.8767,
92.2087

■ 70.0733, 68.9136,
42.4101

95.0500, 100.0000,
108.9000

■ 65.1617, 62.2739,
30.9582

■ 60.9117, 56.2724,
21.8391

■ 57.2862, 50.8850,
14.8856

■ 54.2438, 46.0858,
9.9076

■ 51.7361, 41.8457,
6.6815

■ 49.7012, 38.1297,
4.9126

■ 49.2711, 37.3222,
4.6070

Harmonies

Analogous

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



85.3761, 84.1910, 77.7569



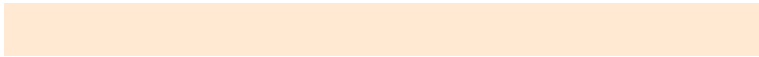
82.0118, 84.1910, 72.9008



78.2148, 84.1910, 72.7991

Triad

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



82.0118, 84.1910, 72.9008



73.1277, 84.1910, 96.9814



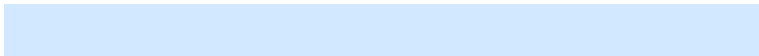
85.2581, 84.1910, 107.5102

Complementary

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



82.0118, 84.1910, 72.9008



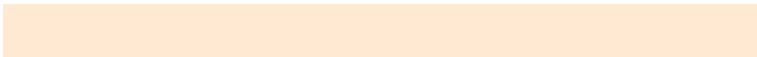
73.4842, 78.6326, 105.9123

Split Complementary

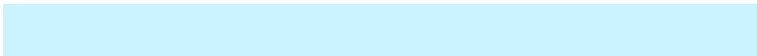
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8548, 84.1910, 113.5483



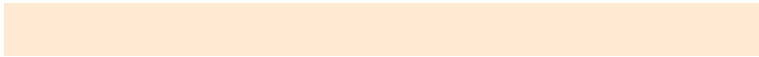
82.0118, 84.1910, 72.9008



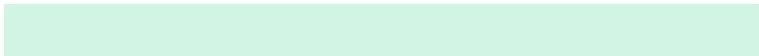
74.8947, 84.1910, 107.1503

Square

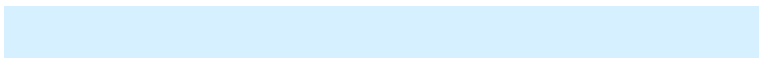
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0118, 84.1910, 72.9008



73.1667, 84.1910, 86.1304



78.0627, 84.1910, 113.4116



87.2906, 84.1910, 97.4416

Rectangle

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



82.0118, 84.1910, 72.9008



75.9530, 84.1910, 75.4103



78.0627, 84.1910, 113.4116



84.2318, 84.1910, 110.1128

Sweetspot

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



82.0138, 84.1946, 72.9026



91.1087, 95.2940, 97.7930



78.9238, 73.2088, 86.6885



19.3858, 20.2584, 20.6101



0.0000, 0.0000, 0.0000



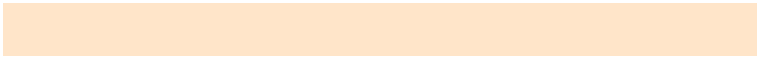
20.3446, 21.4041, 23.3091

Same Dimension

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



82.0138, 84.1946, 72.9026



79.8069, 81.4409, 67.0497



88.6331, 97.4332, 75.1090



18.7772, 19.5226, 18.9229



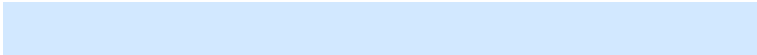
25.8952, 19.8017, 2.4573



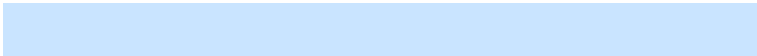
2.6307, 2.1468, 0.2757

Inverse Universe

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



73.4842, 78.6326, 105.9123



69.8985, 74.9799, 105.3963



67.6759, 67.0160, 103.9762



17.7360, 18.8436, 22.9523



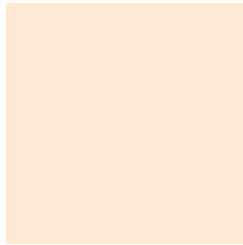
13.3879, 11.6853, 50.9845



1.4125, 1.3556, 5.0005

Previews

White Background



This preview shows how the XYZ color 82.0118, 84.1910, 72.9008 looks on a white background.

Color Contrast Check

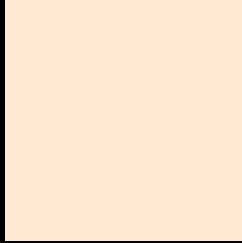
Large Text (above 18pt) WCAG AA × Fail

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 82.0118, 84.1910, 72.9008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

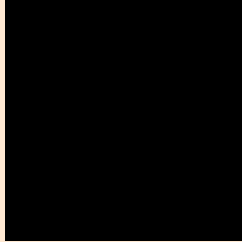
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.0118, 84.1910, 72.9008

Background



This preview shows how black text looks on a background with the XYZ color 82.0118, 84.1910, 72.9008.



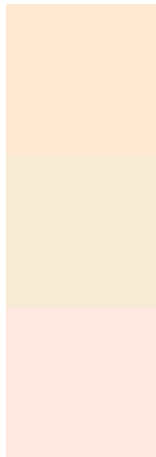
This preview shows how white text looks on a background with the XYZ color 82.0118, 84.1910,

72.9008.

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

82.0118, 84.1910, 72.9008

Protanopia

80.1111, 84.4682, 73.7097

Deuteranopia

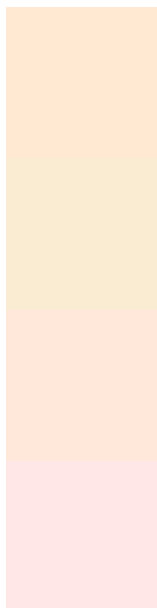
83.4159, 84.3009, 81.6873



Tritanopia

85.8659, 84.3853, 97.3503

Trichromacy



Original Color

82.0118, 84.1910, 72.9008

Protanomaly

80.8905, 84.4438, 73.6639

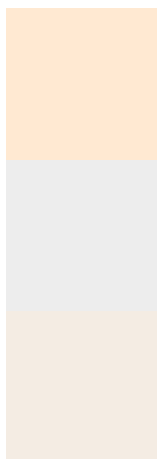
Deuteranomaly

82.7515, 84.0352, 78.1886

Tritanomaly

84.3814, 84.2380, 88.1561

Monochromacy



Original Color

82.0118, 84.1910, 72.9008

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

81.1688, 84.7701, 84.7572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0118, 84.1910, 72.9008 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 210) }
```

Border

The CSS property to change the border of an element to XYZ 82.0118, 84.1910, 72.9008 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, 210) }
```


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

```
.border{ border-color:rgb(255, 233, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0118, 84.1910, 72.9008 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, 210) }
```

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

```
.background{ background-color: rgb(255,  
233, 210) }
```

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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