

Converting Colors

XYZ(84.3959, 91.2168, 71.4118)

Have a look what the booklet for
XYZ(84.3959, 91.2168, 71.4118)
contains.

XYZ(84.2412, 91.0632, 71.5295)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.2412, 91.0632,
71.5295)**

Conversions

Conversions Part 1

Format	Color
Hex	FCF6CE
RGB	252, 246, 206
RGB Percent	99%, 96%, 81%
CMY	0.0118, 0.0353, 0.1921
CMYK	0.00, 0.02, 0.18, 0.01
HSL	52°, 88%, 90%
HSV	52°, 18%, 99%
XYZ	84.2412, 91.0632, 71.5295
YIQ	243.2340, 16.4160, -11.1680

Conversions

Conversions Part 2

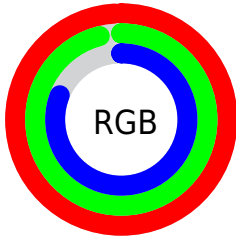
Format	Color
RYB	213, 252, 206
Decimal	16578254
CIELab	96.44, -4.35, 19.99
CIELCh	96, 20.462, 102.284
Yxy	91.0632, 0.3413, 0.3689
Android (android.graphics.Color)	4294768334 (0xFFFCF6CE)
YUV	243.2340, -18.3564, 7.6878
Hunter-Lab	95.4270, -9.4209, 22.3568

Details

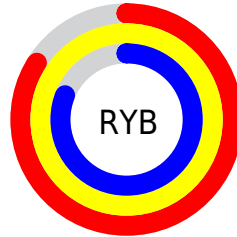
The XYZ color **84.2412, 91.0632, 71.5295** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.5675, 67.2356, 101.5653**, and the grayscale version is **85.5122, 89.9655, 97.9724**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5866, 50.6960, 37.0357** is the 20% darker color. If you saturate the color by 10%, you get **80.4328, 87.9587, 56.3481**, and if you desaturate by 10%, it is **88.5629, 94.4074, 89.3057**.

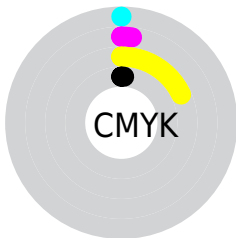
Distribution



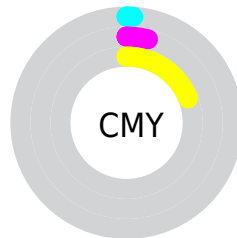
- Red (99%)
- Green (96%)
- Blue (81%)



- Red (84%)
- Yellow (99%)
- Blue (81%)



- Cyan (0%)
- Magenta (2%)
- Yellow (18%)
- Black (1%)





- Cyan (1%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.2412, 91.0632, 71.5295 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 84.2412, 91.0632, 71.5295 by changing the saturation by 10% instead.


 84.2412, 91.0632,
71.5295

 84.2412, 91.0632,
71.5295


497.6354,
531.4834, 484.8357

 63.5350, 68.8628,
52.2899


138.2320,
148.8143, 123.0889

 46.5344, 50.6000,
36.8524


172.2474,
185.1339, 156.2457

 32.8741, 35.8904,
24.7983


211.4298,
226.9286, 194.8788

 22.1888, 24.3495,
15.7092

256.1446,
274.5828, 239.4066

 14.1131, 15.5931,
9.1665

306.7572,
328.4810, 290.2476

 8.2816, 9.2367,
4.7517

363.6330,

 4.3290, 4.8959,

389.0076, 347.8205

2.0461

427.1373,
456.5469, 412.5437

■ 1.8899, 2.1863,
0.5834

■ 0.5709, 0.7125,
0.0000

■ 84.2412, 91.0632,
71.5295

■ 84.2412, 91.0632,
71.5295

■ 80.4328, 87.9587,
56.3481

■ 88.5629, 94.4074,
89.3057

■ 77.1072, 85.0724,
43.6327

■ 93.1861, 97.8976,
108.5924

■ 74.2413, 82.3979,
33.2522

■ 93.9551, 99.4356,
108.8488

■ 71.8075, 79.9241,
25.0613

■ 69.7750, 77.6385,
18.8979

■ 68.1086, 75.5269,
14.5780

■ 66.7670, 73.5725,
11.8837

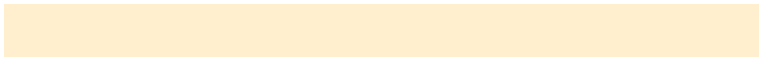
■ 65.6928, 71.7524,
10.5136

■ 65.5186, 71.4426,
10.3366

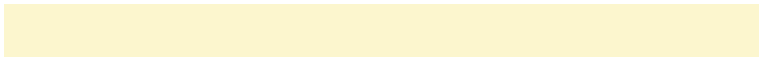
Harmonies

Analogous

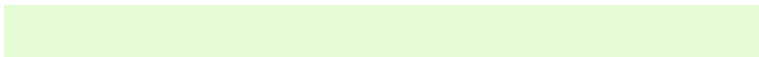
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9318, 91.0632, 72.1506



84.2412, 91.0632, 71.5295



79.3844, 91.0632, 77.6911

Triad

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



84.2412, 91.0632, 71.5295



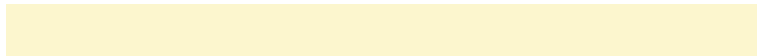
78.6930, 91.0632, 121.8122



97.4215, 91.0632, 109.0163

Complementary

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



84.2412, 91.0632, 71.5295



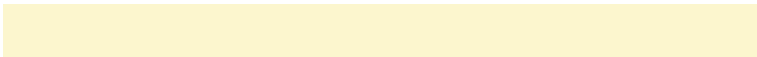
66.5675, 67.2356, 101.5653

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.



94.1403, 91.0632, 124.2412



84.2412, 91.0632, 71.5295



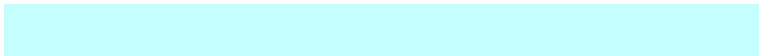
83.2596, 91.0632, 132.1683

Square

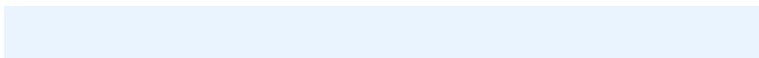
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2412, 91.0632, 71.5295



76.2768, 91.0632, 105.9837



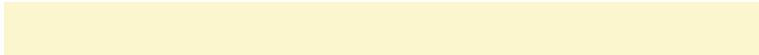
88.9064, 91.0632, 133.1031



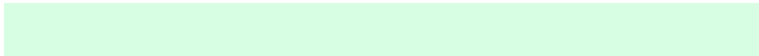
97.7127, 91.0632, 92.6211

Rectangle

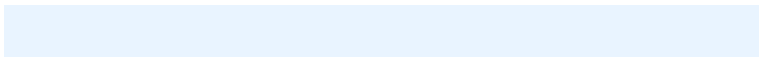
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2412, 91.0632, 71.5295



77.2060, 91.0632, 85.2553



88.9064, 91.0632, 133.1031



96.6252, 91.0632, 114.4830

Sweetspot

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



84.2436, 91.0672, 71.5314



92.5368, 98.1503, 98.2691



74.1176, 69.5994, 71.9044



19.7335, 20.9536, 20.7260



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.



84.2436, 91.0672, 71.5314



85.0091, 92.3228, 67.3116



80.2568, 91.7626, 71.8758



18.5231, 19.7821, 18.3044



34.2070, 37.3706, 5.4103



3.2202, 3.5652, 0.5184

Inverse Universe

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



66.5675, 67.2356, 101.5653



63.6987, 63.5926, 103.5251



70.0334, 66.8389, 101.3060



16.4653, 17.0075, 21.8003



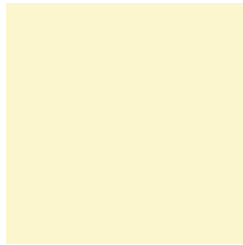
9.4917, 4.3390, 48.3108



0.9343, 0.5122, 4.4928

Previews

White Background



This preview shows how the XYZ color 84.2412, 91.0632, 71.5295 looks on a white background.

Color Contrast Check

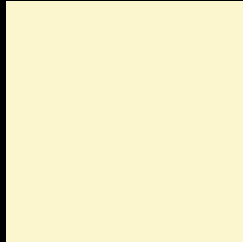
Large Text (above 18pt) WCAG AA × Fail

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 84.2412, 91.0632, 71.5295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

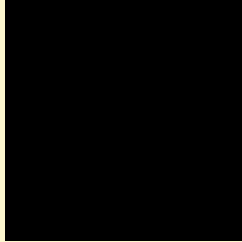
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.2412, 91.0632, 71.5295

Background



This preview shows how black text looks on a background with the XYZ color 84.2412, 91.0632, 71.5295.



This preview shows how white text looks on a background with the XYZ color 84.2412, 91.0632,

71.5295.

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

84.2412, 91.0632, 71.5295

Protanopia

85.8564, 90.8677, 77.3041

Deuteranopia

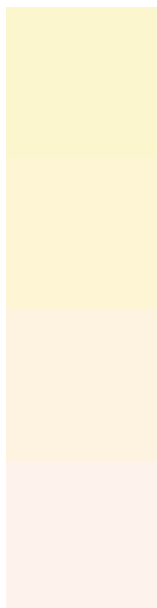
88.1325, 90.8204, 92.2419



Tritanopia

90.2895, 90.7359, 106.5210

Trichromacy



Original Color

84.2412, 91.0632, 71.5295

Protanomaly

85.4091, 91.1291, 75.3755

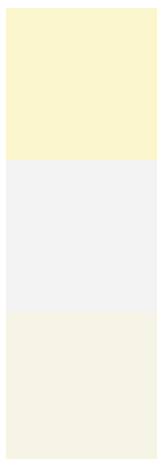
Deuteranomaly

86.5142, 90.6083, 84.1635

Tritanomaly

87.9112, 90.6895, 92.9922

Monochromacy



Original Color

84.2412, 91.0632, 71.5295

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.6396, 90.0074, 87.7751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2412, 91.0632, 71.5295 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(252, 246, 206)` looks like.

```
.text, #text, p{  
    color:rgb(252, 246, 206)  
}
```

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(252, 246, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 246, 206) }
```

Border

The CSS property to change the border of an element to XYZ 84.2412, 91.0632, 71.5295 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(252, 246, 206) }
```


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

```
.border{ border-color:rgb(252, 246, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 246, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 246, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 246, 206);  
box-shadow:4px 4px 4px 4px rgb(252, 246,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2412, 91.0632, 71.5295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 246, 206) }
```

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

```
.background{ background-color: rgb(252,  
246, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor