

Converting Colors

XYZ(87.8572, 96.8631, 71.8243)

Have a look what the booklet for
XYZ(87.8572, 96.8631, 71.8243)
contains.

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Color

**XYZ(87.7013, 96.5514,
71.7715)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFECD
RGB	255, 254, 205
RGB Percent	100%, 100%, 80%
CMY	0.0000, 0.0039, 0.1961
CMYK	0.00, 0.00, 0.20, 0.00
HSL	59°, 100%, 90%
HSV	59°, 20%, 100%
XYZ	87.7013, 96.5514, 71.7715
YIQ	248.7130, 16.3250, -15.0270

Conversions

Conversions Part 2

Format	Color
R _Y B	206, 255, 205
Decimal	16776909
CIE Lab	98.65, -7.41, 23.62
CIE LCh	99, 24.752, 107.426
Yxy	96.5514, 0.3426, 0.3771
Android (android.graphics.Color)	4294966989 (0xFFFFFECD)
YUV	248.7130, -21.5505, 5.5137
Hunter-Lab	98.2606, -12.6380, 25.4758

Details

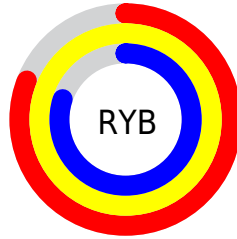
The XYZ color **87.7013, 96.5514, 71.7715** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.2977, 64.3400, 103.5850**, and the grayscale version is **89.9708, 94.6563, 103.0807**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8409, 54.1726, 37.1603** is the 20% darker color. If you saturate the color by 10%, you get **84.7108, 95.1014, 56.8062**, and if you desaturate by 10%, it is **91.1984, 98.2112, 89.3831**.

Distribution



- Red (100%)
- Green (100%)
- Blue (80%)



- Red (81%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.7013, 96.5514, 71.7715 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 87.7013, 96.5514, 71.7715 by changing the saturation by 10% instead.


 87.7013, 96.5514,
71.7715

 87.7013, 96.5514,
71.7715


508.8746,
549.1198, 485.7020

 66.4057, 73.4269,
52.4863


143.0359,
156.4062, 123.4363

 48.8707, 54.3251,
37.0080


177.8056,
193.9052, 156.6530

 34.7311, 38.8616,
24.9178


217.7973,
236.9646, 195.3507

 23.6213, 26.6521,
15.7974

263.3765,
285.9687, 239.9478

 15.1762, 17.3121,
9.2281

314.9085,
341.3018, 290.8630

 9.0302, 10.4573,
4.7914

372.7586,

 4.8182, 5.7032,

403.3485, 348.5147

2.0688

437.2922,
472.4930, 413.3216

■ 2.1746, 2.6654,
0.5971

■ 0.7293, 0.9597,
0.0000

■ 87.7013, 96.5514,
71.7715

■ 87.7013, 96.5514,
71.7715

■ 84.7108, 95.1014,
56.8062

■ 91.1984, 98.2112,
89.3831

■ 82.1959, 93.8392,
44.3533

95.0500, 100.0000,
108.9000

■ 80.1326, 92.7582,
34.2765

■ 78.4922, 91.8471,
26.4238

■ 77.2423, 91.0928,
20.6261

■ 76.3463, 90.4809,
16.6897

■ 75.7605, 89.9936,
14.3845

■ 75.4162, 89.6036,
13.3491

■ 75.4045, 89.5891,
13.3182

Harmonies

Analogous

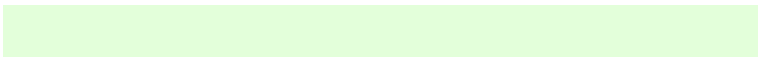
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8039, 96.5514, 71.1027



87.7013, 96.5514, 71.7715



81.9847, 96.5514, 80.6101

Triad

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



87.7013, 96.5514, 71.7715



82.7528, 96.5514, 136.9737



105.8963, 96.5514, 113.9617

Complementary

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



87.7013, 96.5514, 71.7715



65.2977, 64.3400, 103.5850

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.



102.3028, 96.5514, 134.1727



87.7013, 96.5514, 71.7715



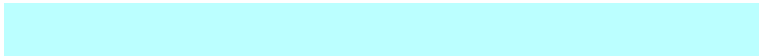
88.7999, 96.5514, 148.5747

Square

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



87.7013, 96.5514, 71.7715



79.2316, 96.5514, 117.4038



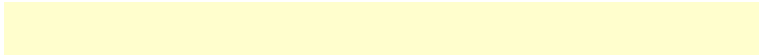
95.9610, 96.5514, 147.4875



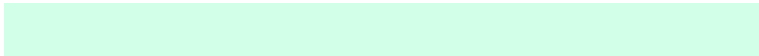
105.5643, 96.5514, 93.7393

Rectangle

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



87.7013, 96.5514, 71.7715



79.6163, 96.5514, 90.6854



95.9610, 96.5514, 147.4875



105.0999, 96.5514, 121.0281

Sweetspot

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



87.7035, 96.5555, 71.7735



92.5867, 98.8596, 96.4066



74.2938, 69.4124, 68.3016



19.7625, 21.1345, 20.3570



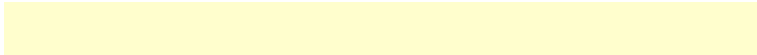
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

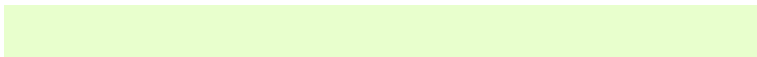
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7035, 96.5555, 71.7735



86.3284, 95.8925, 64.8804



79.9506, 93.0281, 71.5013



19.5285, 21.0251, 19.1733



39.4145, 46.8403, 6.9637



3.8471, 4.5796, 0.6812

Inverse Universe

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



65.2977, 64.3400, 103.5850



59.7656, 57.7004, 102.5950



71.9829, 67.4324, 103.8296



17.0320, 17.4355, 22.7177



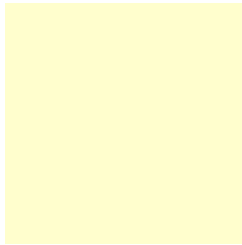
9.4728, 3.8551, 49.6794



0.9321, 0.3948, 4.8404

Previews

White Background



This preview shows how the XYZ color 87.7013, 96.5514, 71.7715 looks on a white background.

Color Contrast Check

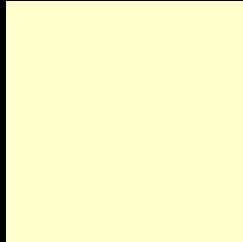
Large Text (above 18pt) WCAG AA × Fail

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 87.7013, 96.5514, 71.7715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

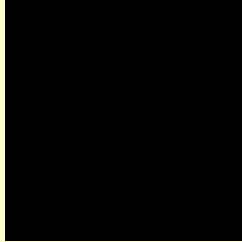
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.7013, 96.5514, 71.7715

Background



This preview shows how black text looks on a background with the XYZ color 87.7013, 96.5514, 71.7715.



This preview shows how white text looks on a background with the XYZ color 87.7013, 96.5514,

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

87.7013, 96.5514, 71.7715

Protanopia

91.4654, 96.5456, 96.2525

Deuteranopia

92.3689, 96.4085, 102.5473

Tritanopia

93.1087, 96.6620, 108.3580

Trichromacy



Original Color

87.7013, 96.5514, 71.7715



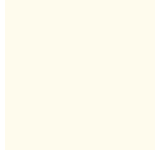
Protanomaly

89.9155, 96.4269, 86.5462



Deuteranomaly

90.3027, 96.0806, 90.1299



Tritanomaly

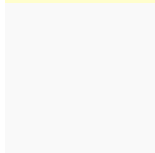
90.6563, 96.1796, 93.9072

Monochromacy



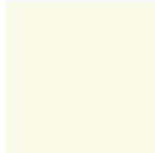
Original Color

87.7013, 96.5514, 71.7715



Achromatopsia

90.0415, 94.7307, 103.1617



Achromatomaly

88.9888, 95.3868, 90.8121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.7013, 96.5514, 71.7715 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, 254, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 205)  
}
```

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, 254, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 205) }
```

Border

The CSS property to change the border of an element to XYZ 87.7013, 96.5514, 71.7715 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, 254, 205) }
```


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

```
.border{ border-color:rgb(255, 254, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 87.7013, 96.5514, 71.7715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 205) }
```

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

```
.background{ background-color: rgb(255,  
254, 205) }
```

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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