

Converting Colors

XYZ(81.5728, 91.1312, 48.6519)

Have a look what the booklet for
XYZ(81.5728, 91.1312, 48.6519)
contains.

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Color

**XYZ(81.5989, 91.1114,
48.8828)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8A5
RGB	255, 248, 165
RGB Percent	100%, 97%, 65%
CMY	0.0000, 0.0274, 0.3529
CMYK	0.00, 0.03, 0.35, 0.00
HSL	55°, 100%, 82%
HSV	55°, 35%, 100%
XYZ	81.5989, 91.1114, 48.8828
YIQ	240.6310, 30.8150, -24.3290

Conversions

Conversions Part 2

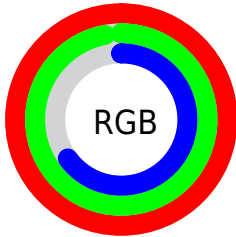
Format	Color
RYB	173, 255, 165
Decimal	16775333
CIELab	96.46, -9.51, 40.75
CIElCh	96, 41.843, 103.142
Yxy	91.1114, 0.3682, 0.4112
Android (android.graphics.Color)	4294965413 (0xFFFFF8A5)
YUV	240.6310, -37.2861, 12.6016
Hunter-Lab	95.4523, -14.4480, 36.4532

Details

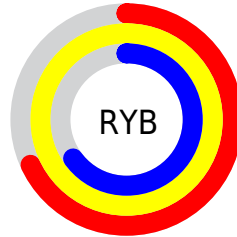
The XYZ color **81.5989, 91.1114, 48.8828** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.3193, 44.7231, 100.6934**, and the grayscale version is **83.5878, 87.9408, 95.7676**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **44.8002, 50.7394, 22.7617** is the 20% darker color. If you saturate the color by 10%, you get **78.9004, 89.0656, 37.6519**, and if you desaturate by 10%, it is **84.7712, 93.3635, 62.5567**.

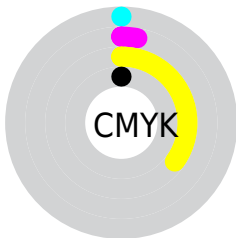
Distribution



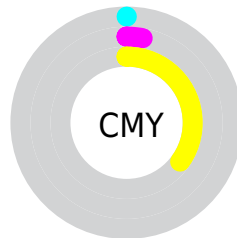
- Red (100%)
- Green (97%)
- Blue (65%)



- Red (68%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.5989, 91.1114, 48.8828 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 81.5989, 91.1114, 48.8828 by changing the saturation by 10% instead.


 81.5989, 91.1114,
48.8828


 81.5989, 91.1114,
48.8828


488.9599,
531.6396, 398.8899

 61.3480, 68.9028,
34.1616


 134.5501,
148.8812, 89.8965

 44.7596, 50.6326,
22.7394


 167.9811,
185.2112, 117.0261

 31.4686, 35.9163,
14.1977


206.5362,
227.0172, 149.1289

 21.1095, 24.3695,
8.1180

250.5807,
274.6834, 186.6235

 13.3170, 15.6080,
4.0817

300.4799,
328.5944, 229.9283

 7.7257, 9.2472,
1.6703

356.5993,

 3.9703, 4.9028,

389.1345, 279.4620

0.3402

419.3042,
456.6881, 335.6430

■ 1.6853, 2.1903,
0.0000

■ 0.4471, 0.7147,
0.0000

■ 81.5989, 91.1114,
48.8828

■ 81.5989, 91.1114,
48.8828

■ 78.9004, 89.0656,
37.6519

■ 84.7712, 93.3635,
62.5567

■ 76.6412, 87.2025,
28.7127

■ 88.4358, 95.8197,
78.8014

■ 74.7929, 85.5141,
21.9059

■ 92.6187, 98.4936,
97.7428

■ 73.3211, 83.9865,
17.0496

95.0500, 100.0000,
108.9000

■ 72.1852, 82.6035,
13.9314

■ 71.3357, 81.3451,
12.2893

■ 71.0013, 80.7825,
11.8504

Harmonies

Analogous

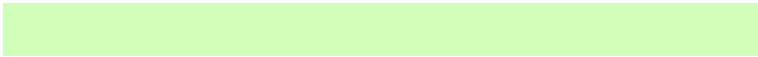
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2664, 91.1114, 49.5582



81.5989, 91.1114, 48.8828



72.1505, 91.1114, 59.3328

Triad

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



81.5989, 91.1114, 48.8828



71.2441, 91.1114, 149.9250



109.8834, 91.1114, 119.0204

Complementary

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



81.5989, 91.1114, 48.8828



48.3193, 44.7231, 100.6934

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.



102.8573, 91.1114, 153.8359



81.5989, 91.1114, 48.8828



80.2566, 91.1114, 174.2420

Square

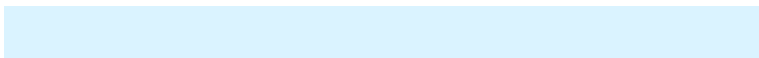
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5989, 91.1114, 48.8828



66.5439, 91.1114, 114.5368



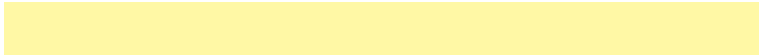
91.7986, 91.1114, 175.8156



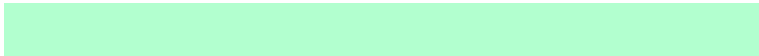
110.3251, 91.1114, 85.3060

Rectangle

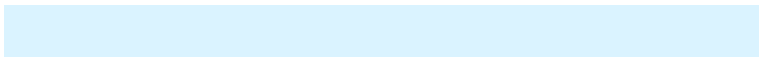
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5989, 91.1114, 48.8828



68.0925, 91.1114, 72.9254



91.7986, 91.1114, 175.8156



108.1864, 91.1114, 131.1422

Sweetspot

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



81.6012, 91.1155, 48.8847



90.1668, 96.9405, 86.5959



62.1903, 51.1690, 45.8819



19.1802, 20.6725, 17.9966



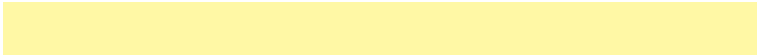
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

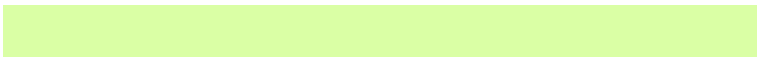
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6012, 91.1155, 48.8847



79.7396, 89.7195, 41.0904



71.3162, 89.0653, 49.0310



19.4333, 20.8349, 19.1416



37.1504, 42.3121, 6.2090



3.6516, 4.1886, 0.6160

Inverse Universe

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



48.3193, 44.7231, 100.6934



42.1705, 37.3582, 99.5960



55.9986, 46.7578, 100.6814



17.1164, 17.6044, 22.7458



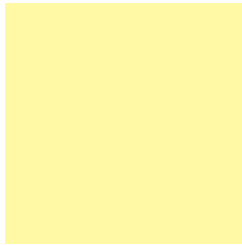
9.6004, 4.1104, 49.7220



0.9721, 0.4749, 4.8537

Previews

White Background



This preview shows how the XYZ color 81.5989, 91.1114, 48.8828 looks on a white background.

Color Contrast Check

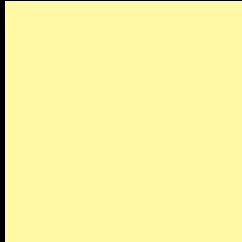
Large Text (above 18pt) WCAG AA × Fail

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 81.5989, 91.1114, 48.8828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

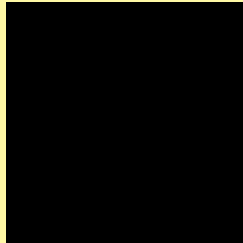
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.5989, 91.1114, 48.8828

Background



This preview shows how black text looks on a background with the XYZ color 81.5989, 91.1114, 48.8828.

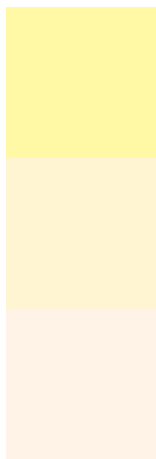


This preview shows how white text looks on a background with the XYZ color 81.5989, 91.1114,

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

81.5989, 91.1114, 48.8828

Protanopia

85.5253, 91.2180, 74.0719

Deuteranopia

87.8561, 91.1874, 89.3143



Tritanopia

89.9506, 91.0727, 103.2804

Trichromacy



Original Color

81.5989, 91.1114, 48.8828



Protanomaly

83.9334, 91.0666, 64.1928



Deuteranomaly

85.2776, 91.1189, 72.7676



Tritanomaly

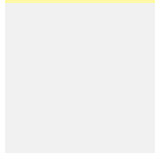
86.3769, 91.0758, 80.0447

Monochromacy



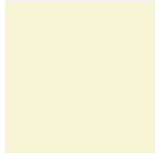
Original Color

81.5989, 91.1114, 48.8828



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

82.3670, 89.0983, 75.8073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5989, 91.1114, 48.8828 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, 248, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 165)  
}
```

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, 248, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 165) }
```

Border

The CSS property to change the border of an element to XYZ 81.5989, 91.1114, 48.8828 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, 248, 165) }
```


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

```
.border{ border-color:rgb(255, 248, 165) }
```

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

Here you see how a box with a 4 pixel rgb(255, 248, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5989, 91.1114, 48.8828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 165) }
```

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

```
.background{ background-color: rgb(255,  
248, 165) }
```

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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