

Converting Colors

XYZ(122.9452, 113.0597,
50.9178)

Have a look what the booklet for
XYZ(122.9452, 113.0597, 50.9178)
contains.

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Color

**XYZ(81.9072, 91.7280,
48.9856)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9A5
RGB	255, 249, 165
RGB Percent	100%, 98%, 65%
CMY	0.0000, 0.0235, 0.3529
CMYK	0.00, 0.02, 0.35, 0.00
HSL	56°, 100%, 82%
HSV	56°, 35%, 100%
XYZ	81.9072, 91.7280, 48.9856
YIQ	241.2180, 30.5400, -24.8520

Conversions

Conversions Part 2

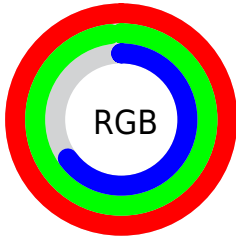
Format	Color
RYB	171, 255, 165
Decimal	16775589
CIELab	96.71, -10.01, 41.08
CIElCh	97, 42.278, 103.692
Yxy	91.7280, 0.3679, 0.4120
Android (android.graphics.Color)	4294965669 (0xFFFFF9A5)
YUV	241.2180, -37.5755, 12.0868
Hunter-Lab	95.7747, -14.9514, 36.7174

Details

The XYZ color **81.9072, 91.7280, 48.9856** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.1297, 44.3439, 100.6302**, and the grayscale version is **84.0527, 88.4300, 96.3003**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **45.0206, 51.1801, 22.8351** is the 20% darker color. If you saturate the color by 10%, you get **79.2922, 89.8492, 37.7825**, and if you desaturate by 10%, it is **84.9943, 93.8098, 62.6311**.

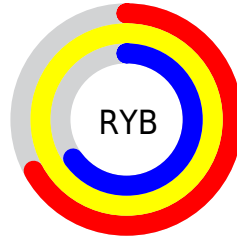
Distribution



Red (100%)

Green (98%)

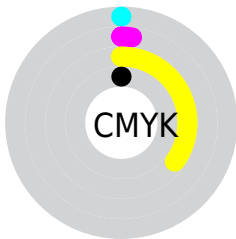
Blue (65%)



Red (67%)

Yellow (100%)

Blue (65%)

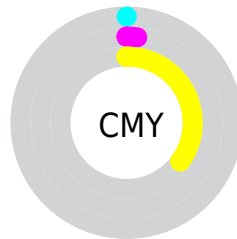


Cyan (0%)

Magenta (2%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.9072, 91.7280, 48.9856 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 81.9072, 91.7280, 48.9856 by changing the saturation by 10% instead.


 81.9072, 91.7280,
48.9856


 81.9072, 91.7280,
48.9856


489.9764,
533.6361, 399.3065

 61.6029, 69.4147,
34.2425


 134.9804,
149.7364, 90.0508

 44.9663, 51.0495,
22.8011


 168.4799,
186.2002, 117.2101

 31.6320, 36.2480,
14.2428


207.1086,
228.1498, 149.3451

 21.2348, 24.6258,
8.1491

251.2318,
275.9693, 186.8745

 13.4092, 15.7985,
4.1013

301.2148,
330.0434, 230.2168

 7.7898, 9.3817,
1.6811

357.4230,

 4.0114, 4.9910,

390.7562, 279.7906

0.3477

420.2218,
458.4923, 336.0143

■ 1.7086, 2.2420,
0.0000

■ 0.4616, 0.7427,
0.0000

■ 81.9072, 91.7280,
48.9856

■ 81.9072, 91.7280,
48.9856

■ 79.2922, 89.8492,
37.7825

■ 84.9943, 93.8098,
62.6311

■ 77.1148, 88.1497,
28.8706

■ 88.5721, 96.0922,
78.8469

■ 75.3466, 86.6215,
22.0905

■ 92.6663, 98.5888,
97.7587

■ 73.9531, 85.2506,
17.2603

95.0500, 100.0000,
108.9000

■ 72.8940, 84.0211,
14.1677

■ 72.1195, 82.9129,
12.5506

■ 71.8199, 82.4198,
12.1233

Harmonies

Analogous

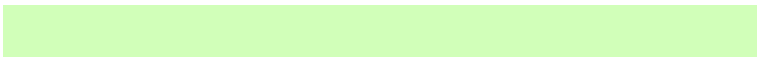
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7336, 91.7280, 49.4662



81.9072, 91.7280, 48.9856



72.3877, 91.7280, 59.7675

Triad

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



81.9072, 91.7280, 48.9856



71.7405, 91.7280, 152.0130



110.9059, 91.7280, 119.3219

Complementary

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



81.9072, 91.7280, 48.9856



48.1297, 44.3439, 100.6302

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.



103.8721, 91.7280, 154.8144



81.9072, 91.7280, 48.9856



80.9482, 91.7280, 176.4142

Square

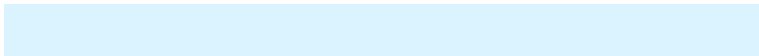
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9072, 91.7280, 48.9856



66.8871, 91.7280, 116.1145



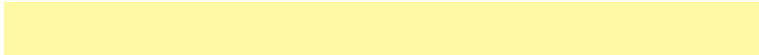
92.6842, 91.7280, 177.5420



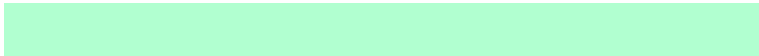
111.2220, 91.7280, 85.2271

Rectangle

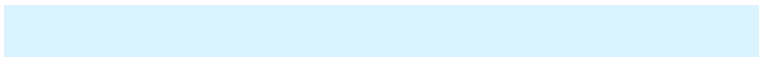
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9072, 91.7280, 48.9856



68.3310, 91.7280, 73.6816



92.6842, 91.7280, 177.5420



109.2219, 91.7280, 131.6422

Sweetspot

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



81.9095, 91.7322, 48.9875



90.2652, 97.1372, 86.6287



62.0465, 51.1115, 45.1246



19.2038, 20.7198, 18.0045



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

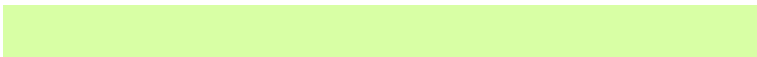
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9095, 91.7322, 48.9875



80.1041, 90.4485, 41.2119



70.8710, 88.8358, 49.0103



19.4516, 20.8713, 19.1477



37.5716, 43.1545, 6.3494



3.6882, 4.2617, 0.6282

Inverse Universe

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



48.1297, 44.3439, 100.6302



41.9714, 36.9600, 99.5296



56.4078, 46.9688, 100.7006



17.1001, 17.5718, 22.7404



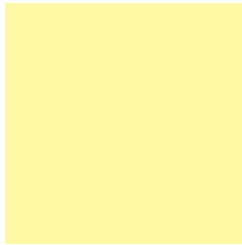
9.5721, 4.0538, 49.7125



0.9644, 0.4595, 4.8511

Previews

White Background



This preview shows how the XYZ color 81.9072, 91.7280, 48.9856 looks on a white background.

Color Contrast Check

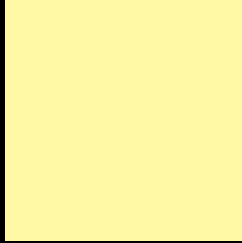
Large Text (above 18pt) WCAG AA × Fail

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 81.9072, 91.7280, 48.9856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

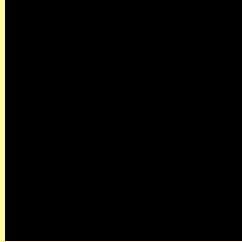
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.9072, 91.7280, 48.9856

Background



This preview shows how black text looks on a background with the XYZ color 81.9072, 91.7280, 48.9856.

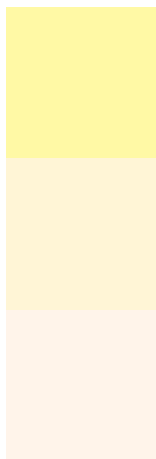


This preview shows how white text looks on a background with the XYZ color 81.9072, 91.7280,

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

81.9072, 91.7280, 48.9856

Protanopia

86.0300, 91.4199, 76.7299

Deuteranopia

88.4420, 91.9019, 90.9193



Tritanopia

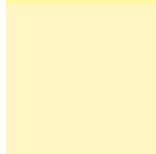
90.4047, 91.7293, 104.2075

Trichromacy



Original Color

81.9072, 91.7280, 48.9856



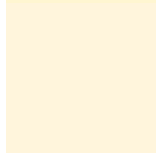
Protanomaly

84.1596, 91.1571, 65.3839



Deuteranomaly

85.7044, 91.7750, 73.5188



Tritanomaly

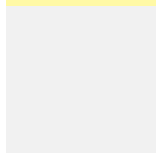
86.8107, 91.7321, 80.8408

Monochromacy



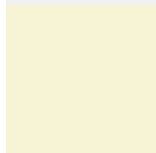
Original Color

81.9072, 91.7280, 48.9856



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 81.9072, 91.7280, 48.9856 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, 249, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 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, 249, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 165) }
```

Border

The CSS property to change the border of an element to XYZ 81.9072, 91.7280, 48.9856 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, 249, 165) }
```


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

```
.border{ border-color:rgb(255, 249, 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, 249, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9072, 91.7280, 48.9856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 165) }
```

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

```
.background{ background-color: rgb(255,  
249, 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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