

Converting Colors

XYZ(172.2914, 137.4295,
52.2189)

Have a look what the booklet for
XYZ(172.2914, 137.4295, 52.2189)
contains.

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Color

**XYZ(81.1116, 90.4259,
47.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7A3
RGB	255, 247, 163
RGB Percent	100%, 97%, 64%
CMY	0.0000, 0.0313, 0.3608
CMYK	0.00, 0.03, 0.36, 0.00
HSL	55°, 100%, 82%
HSV	55°, 36%, 100%
XYZ	81.1116, 90.4259, 47.8292
YIQ	239.8160, 31.7320, -24.4280

Conversions

Conversions Part 2

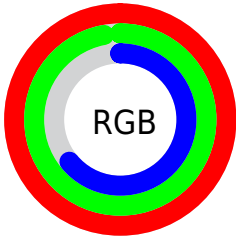
Format	Color
RYB	172, 255, 163
Decimal	16775075
CIELab	96.17, -9.24, 41.37
CIELCh	96, 42.388, 102.595
Yxy	90.4259, 0.3698, 0.4122
Android (android.graphics.Color)	4294965155 (0xFFFFF7A3)
YUV	239.8160, -37.8703, 13.3164
Hunter-Lab	95.0925, -14.1558, 36.7434

Details

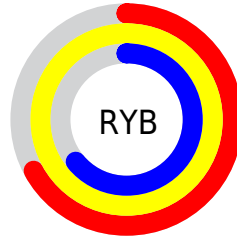
The XYZ color **81.1116, 90.4259, 47.8292** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.7169, 44.1310, 100.6108**, and the grayscale version is **82.9520, 87.2719, 95.0391**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **44.4712, 50.2577, 22.1087** is the 20% darker color. If you saturate the color by 10%, you get **78.3807, 88.2591, 36.7609**, and if you desaturate by 10%, it is **84.3158, 92.8014, 61.3300**.

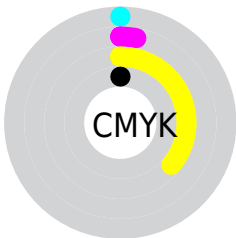
Distribution



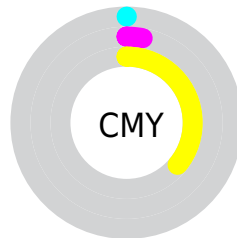
- Red (100%)
- Green (97%)
- Blue (64%)



- Red (67%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (3%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.1116, 90.4259, 47.8292 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 81.1116, 90.4259, 47.8292 by changing the saturation by 10% instead.


 81.1116, 90.4259,
47.8292


 81.1116, 90.4259,
47.8292


487.3508,
529.4153, 394.6039

 60.9451, 68.3339,
33.3326


 133.8698,
147.9298, 88.3129

 44.4333, 50.1695,
22.1082


 167.1922,
184.1106, 115.1372

 31.2106, 35.5481,
13.7373


205.6307,
225.7565, 146.9077

 20.9119, 24.0854,
7.8015

249.5505,
273.2517, 184.0431

 13.1717, 15.3970,
3.8823

299.3171,
326.9809, 226.9619

 7.6247, 9.0984,
1.5610

355.2958,

 3.9055, 4.8055,

387.3282, 276.0826

0.2628

417.8519,
454.6783, 331.8237

■ 1.6488, 2.1336,
0.0000

■ 0.4239, 0.6834,
0.0000

■ 81.1116, 90.4259,
47.8292

■ 81.1116, 90.4259,
47.8292

■ 78.3807, 88.2591,
36.7609

■ 84.3158, 92.8014,
61.3300

■ 76.0884, 86.2773,
27.9729

■ 88.0120, 95.3834,
77.3921

■ 74.2062, 84.4723,
21.3043

■ 92.2262, 98.1856,
96.1420

■ 72.6989, 82.8301,
16.5714

95.0500, 100.0000,
108.9000

■ 71.5258, 81.3342,
13.5588

■ 70.6360, 79.9644,
11.9990

■ 70.3348, 79.4496,
11.6283

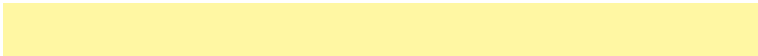
Harmonies

Analogous

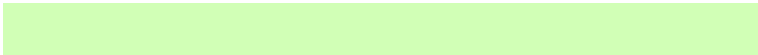
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8874, 90.4259, 48.7034



81.1116, 90.4259, 47.8292



71.5379, 90.4259, 58.0772

Triad

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



81.1116, 90.4259, 47.8292



70.3576, 90.4259, 149.0944



109.3713, 90.4259, 119.1201

Complementary

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



81.1116, 90.4259, 47.8292



47.7169, 44.1310, 100.6108

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.



102.1718, 90.4259, 154.2178



81.1116, 90.4259, 47.8292



79.3614, 90.4259, 174.0515

Square

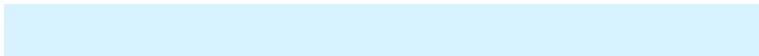
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1116, 90.4259, 47.8292



65.7203, 90.4259, 113.2605



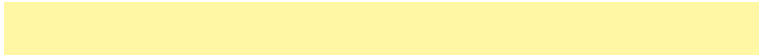
90.9711, 90.4259, 176.1154



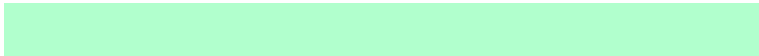
109.9489, 90.4259, 85.0057

Rectangle

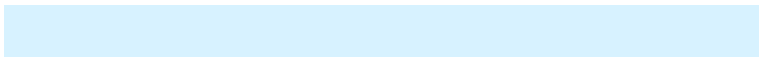
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1116, 90.4259, 47.8292



67.4008, 90.4259, 71.5662



90.9711, 90.4259, 176.1154



107.6172, 90.4259, 131.3624

Sweetspot

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



81.1139, 90.4300, 47.8311



90.0857, 96.7782, 86.5689



61.8034, 50.4416, 45.6104



19.1607, 20.6336, 17.9901



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

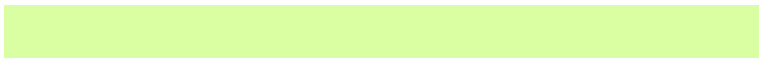
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1139, 90.4300, 47.8311



79.1736, 88.9065, 39.9176



71.3446, 89.1008, 48.0894



19.4183, 20.8048, 19.1366



36.8075, 41.6261, 6.0947



3.6218, 4.1291, 0.6061

Inverse Universe

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



47.7169, 44.1310, 100.6108



41.4897, 36.6734, 99.4997



54.9140, 45.6673, 100.5281



17.1298, 17.6313, 22.7503



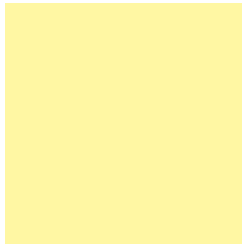
9.6261, 4.1617, 49.7305



0.9784, 0.4876, 4.8558

Previews

White Background



This preview shows how the XYZ color 81.1116, 90.4259, 47.8292 looks on a white background.

Color Contrast Check

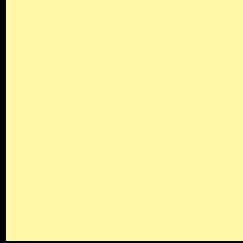
Large Text (above 18pt) WCAG AA × Fail

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 81.1116, 90.4259, 47.8292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

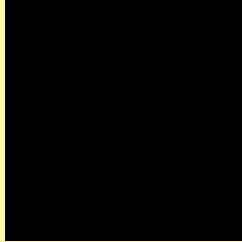
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.1116, 90.4259, 47.8292

Background



This preview shows how black text looks on a background with the XYZ color 81.1116, 90.4259, 47.8292.

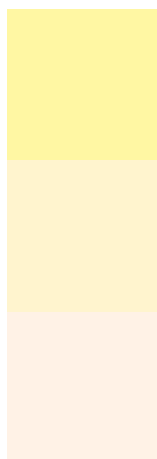


This preview shows how white text looks on a background with the XYZ color 81.1116, 90.4259,

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

81.1116, 90.4259, 47.8292

Protanopia

84.7313, 90.4176, 71.3790

Deuteranopia

87.2751, 90.4774, 87.7269



Tritanopia

89.4990, 90.4197, 102.3582

Trichromacy



Original Color

81.1116, 90.4259, 47.8292



Protanomaly

83.1867, 90.2825, 61.7571



Deuteranomaly

84.7313, 90.4176, 71.3790



Tritanomaly

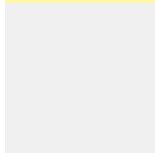
85.9455, 90.4231, 79.2533

Monochromacy



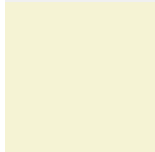
Original Color

81.1116, 90.4259, 47.8292



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.5904, 88.2671, 75.0243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1116, 90.4259, 47.8292 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, 247, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 163)  
}
```

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, 247, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 163) }
```

Border

The CSS property to change the border of an element to XYZ 81.1116, 90.4259, 47.8292 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, 247, 163) }
```


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

```
.border{ border-color:rgb(255, 247, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1116, 90.4259, 47.8292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 163) }
```

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

```
.background{ background-color: rgb(255,  
247, 163) }
```

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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