

# Converting Colors

XYZ(82.8325, 93.2100, 49.3918)

Have a look what the booklet for  
XYZ(82.8325, 93.2100, 49.3918)  
contains.

<b>XYZ(82.5287, 92.9710, 49.1928)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(82.5287, 92.9710,  
49.1928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBA5
RGB	255, 251, 165
RGB Percent	100%, 98%, 65%
CMY	0.0000, 0.0157, 0.3529
CMYK	0.00, 0.02, 0.35, 0.00
HSL	57°, 100%, 82%
HSV	57°, 35%, 100%
XYZ	82.5287, 92.9710, 49.1928
YIQ	242.3920, 29.9900, -25.8980

# Conversions

## Conversions Part 2

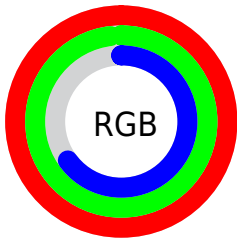
Format	Color
<a href="#">RYB</a>	<a href="#">169, 255, 165</a>
Decimal	<a href="#">16776101</a>
CIELab	<a href="#">97.22, -10.99, 41.73</a>
CIELCh	<a href="#">97, 43.157, 104.755</a>
Yxy	<a href="#">92.9710, 0.3673, 0.4138</a>
Android (android.graphics.Color)	<a href="#">4294966181 (0xFFFFFBA5)</a>
YUV	<a href="#">242.3920, -38.1543, 11.0572</a>
Hunter-Lab	<a href="#">96.4215, -15.9565, 37.2462</a>

# Details

The XYZ color **82.5287, 92.9710, 49.1928** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.7548, 43.5940, 100.5052**, and the grayscale version is **84.9871, 89.4130, 97.3708**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **45.4657, 52.0704, 22.9835** is the 20% darker color. If you saturate the color by 10%, you get **80.0838, 91.4325, 38.0465**, and if you desaturate by 10%, it is **85.4431, 94.7073, 62.7807**.

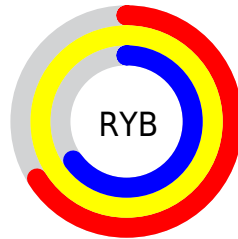
# Distribution



Red (100%)

Green (98%)

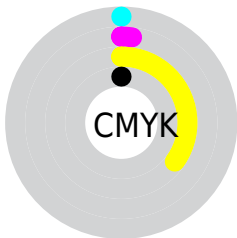
Blue (65%)



Red (66%)

Yellow (100%)

Blue (65%)

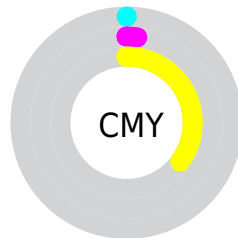


Cyan (0%)

Magenta (2%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.5287, 92.9710, 49.1928 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 82.5287, 92.9710, 49.1928 by changing the saturation by 10% instead.




 82.5287, 92.9710,  
49.1928


 82.5287, 92.9710,  
49.1928


492.0222,  
537.6488, 400.1451

 62.1170, 70.4474,  
34.4058


 135.8471,  
151.4585, 90.3617

 45.3832, 51.8914,  
22.9256


 169.4846,  
188.1911, 117.5806

 31.9619, 36.9185,  
14.3338


208.2614,  
230.4289, 149.7806

 21.4878, 25.1444,  
8.2118

252.5428,  
278.5562, 187.3802

 13.5955, 16.1847,  
4.1411

302.6942,  
332.9575, 230.7979

 7.9197, 9.6549,  
1.7030

359.0810,

 4.0950, 5.1708,

394.0171, 280.4522

0.3628

422.0686,  
462.1193, 336.7618

■ 1.7560, 2.3478,  
0.0000

■ 0.4910, 0.7988,  
0.0000

■ 82.5287, 92.9710,  
49.1928

■ 82.5287, 92.9710,  
49.1928

■ 80.0838, 91.4325,  
38.0465

■ 85.4431, 94.7073,  
62.7807

■ 78.0739, 90.0680,  
29.1903

■ 88.8454, 96.6389,  
78.9381

■ 76.4706, 88.8696,  
22.4652

■ 92.7616, 98.7794,  
97.7906

■ 75.2395, 87.8233,  
17.6891

95.0500, 100.0000,  
108.9000

■ 74.3401, 86.9131,  
14.6497

■ 73.7226, 86.1191,  
13.0850

■ 73.4961, 85.7721,  
12.6820

# Harmonies

## Analogous

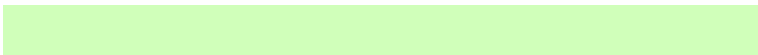
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6754, 92.9710, 49.2848



82.5287, 92.9710, 49.1928



72.8659, 92.9710, 60.6433

# Triad

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



82.5287, 92.9710, 49.1928



72.7412, 92.9710, 156.2445



112.9707, 92.9710, 119.9315

# Complementary

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



82.5287, 92.9710, 49.1928



47.7548, 43.5940, 100.5052

# 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.



105.9220, 92.9710, 156.7880



82.5287, 92.9710, 49.1928



82.3436, 92.9710, 180.8116

# Square

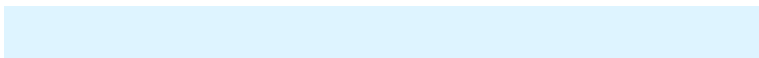
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5287, 92.9710, 49.1928



67.5782, 92.9710, 119.3109



94.4726, 92.9710, 181.0307

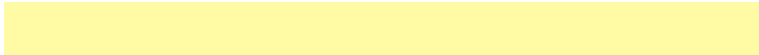


113.0319, 92.9710, 85.0742

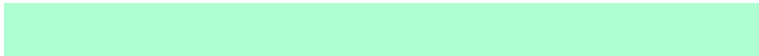


# Rectangle

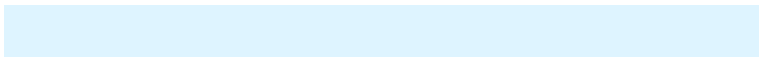
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.5287, 92.9710, 49.1928



68.8117, 92.9710, 75.2086



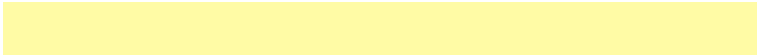
94.4726, 92.9710, 181.0307



111.3131, 92.9710, 132.6511

# Sweetspot

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



82.5310, 92.9752, 49.1947



90.4625, 97.5318, 86.6945



61.9043, 51.0547, 44.3758



19.2512, 20.8146, 18.0202



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

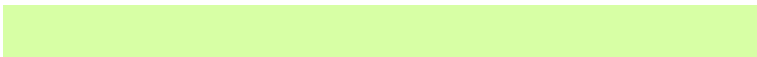
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5310, 92.9752, 49.1947



80.8401, 91.9203, 41.4572



70.4298, 88.6083, 48.9897



19.4881, 20.9443, 19.1599



38.4336, 44.8785, 6.6367



3.7627, 4.4107, 0.6530



# Inverse Universe

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



47.7548, 43.5940, 100.5052



41.5790, 36.1753, 99.3988



56.8210, 47.1818, 100.7199



17.0676, 17.5069, 22.7296



9.5236, 3.9568, 49.6964

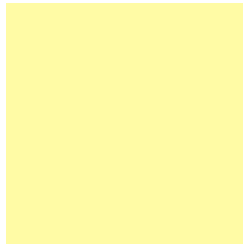


0.9490, 0.4287, 4.8460



# Previews

## White Background



This preview shows how the XYZ color 82.5287, 92.9710, 49.1928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

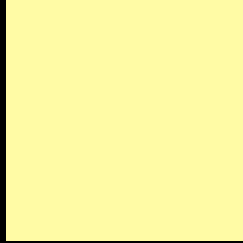
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.5287, 92.9710, 49.1928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

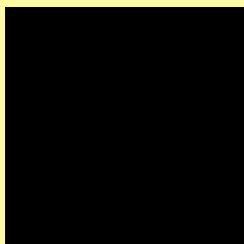
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

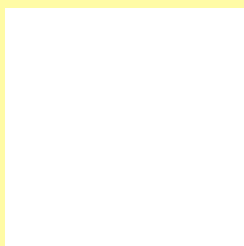
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.5287, 92.9710, 49.1928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.5287, 92.9710, 49.1928.



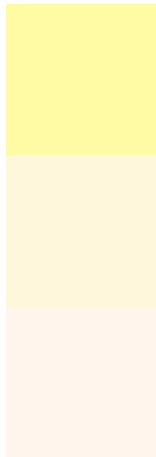
This preview shows how white text looks on a background with the XYZ color 82.5287, 92.9710,



# 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

82.5287, 92.9710, 49.1928

### Protanopia

87.4190, 92.9488, 81.0436

### Deuteranopia

89.1785, 92.6792, 93.3094



## Tritanopia

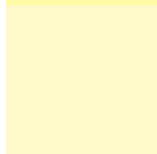
91.1614, 92.9896, 105.2395

# Trichromacy



## Original Color

82.5287, 92.9710, 49.1928



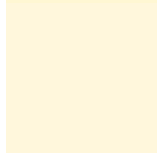
## Protanomaly

85.2327, 92.5649, 68.0182



## Deuteranomaly

86.2586, 92.4847, 74.9330



## Tritanomaly

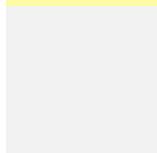
87.4190, 92.9488, 81.0436

# Monochromacy



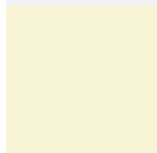
## Original Color

82.5287, 92.9710, 49.1928



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

83.1478, 89.9340, 76.5950

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.5287, 92.9710, 49.1928 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, 251, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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, 251, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 82.5287, 92.9710, 49.1928 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, 251, 165) }
```



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

```
.border{ border-color:rgb(255, 251, 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, 251, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.5287, 92.9710, 49.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 165) }
```

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

```
.background{ background-color: rgb(255,  
251, 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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