

Converting Colors

XYZ(98.6969, 100.0000,
53.6530)

Have a look what the booklet for
XYZ(98.6969, 100.0000, 53.6530)
contains.

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Color

**XYZ(82.3502, 91.4119,
52.8391)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8AD
RGB	255, 248, 173
RGB Percent	100%, 97%, 68%
CMY	0.0000, 0.0274, 0.3216
CMYK	0.00, 0.03, 0.32, 0.00
HSL	55°, 100%, 84%
HSV	55°, 32%, 100%
XYZ	82.3502, 91.4119, 52.8391
YIQ	241.5430, 28.2470, -21.8410

Conversions

Conversions Part 2

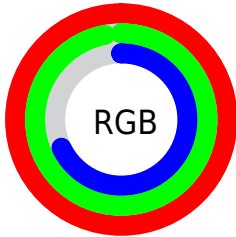
Format	Color
RYB	181, 255, 173
Decimal	16775341
CIELab	96.58, -8.59, 36.94
CIElCh	97, 37.922, 103.096
Yxy	91.4119, 0.3634, 0.4034
Android (android.graphics.Color)	4294965421 (0xFFFFF8AD)
YUV	241.5430, -33.7917, 11.8018
Hunter-Lab	95.6096, -13.5716, 34.1598

Details

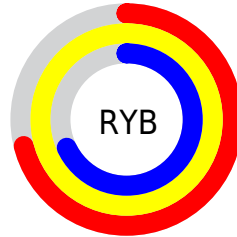
The XYZ color **82.3502, 91.4119, 52.8391** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **51.6046, 48.7454, 101.2967**, and the grayscale version is **84.2817, 88.6709, 96.5626**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **45.2658, 50.9257, 25.2132** is the 20% darker color. If you saturate the color by 10%, you get **79.4506, 89.1915, 40.8391**, and if you desaturate by 10%, it is **85.7331, 93.8444, 67.3256**.

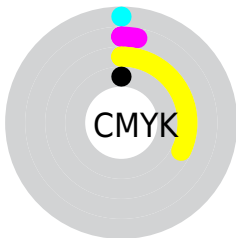
Distribution



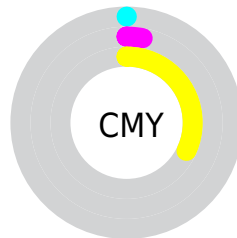
- Red (100%)
- Green (97%)
- Blue (68%)



- Red (71%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (3%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.3502, 91.4119, 52.8391 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 82.3502, 91.4119, 52.8391 by changing the saturation by 10% instead.


 82.3502, 91.4119,
52.8391

 82.3502, 91.4119,
52.8391


491.4351,
532.6131, 414.7163

 61.9693, 69.1523,
37.2875


 135.5983,
149.2980, 95.8067

 45.2634, 50.8357,
25.1326


169.1962,
185.6933, 124.0598

 31.8671, 36.0779,
15.9560


207.9304,
227.5693, 157.3838

 21.4151, 24.4944,
9.3390

252.1665,
275.3103, 196.1972

 13.5419, 15.7007,
4.8631

302.2696,
329.3008, 240.9187

 7.8823, 9.3126,
2.1098

358.6052,

 4.0709, 4.9457,

389.9252, 291.9666

0.6216

421.5385,
457.5678, 349.7596

■ 1.7423, 2.2154,
0.0000

■ 0.4826, 0.7284,
0.0000

■ 82.3502, 91.4119,
52.8391

■ 82.3502, 91.4119,
52.8391

■ 79.4506, 89.1915,
40.8391

■ 85.7331, 93.8444,
67.3256

■ 77.0005, 87.1602,
31.1784

■ 89.6173, 96.4867,
84.4232

■ 74.9727, 85.3101,
23.7030

■ 94.0280, 99.3522,
104.2550

■ 73.3339, 83.6279,
18.2383

■ 95.0500, 100.0000,
108.9000

■ 72.0458, 82.0983,
14.5830

■ 71.0624, 80.7027,
12.4937

■ 70.4501, 79.6802,
11.6667

Harmonies

Analogous

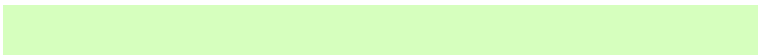
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9427, 91.4119, 53.4997



82.3502, 91.4119, 52.8391



73.6973, 91.4119, 62.7222

Triad

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



82.3502, 91.4119, 52.8391



72.8430, 91.4119, 144.9454



107.8671, 91.4119, 117.4764

Complementary

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



82.3502, 91.4119, 52.8391



51.6046, 48.7454, 101.2967

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.



101.5573, 91.4119, 148.4958



82.3502, 91.4119, 52.8391



81.0950, 91.4119, 166.4313

Square

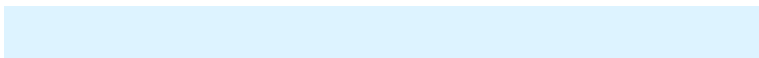
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3502, 91.4119, 52.8391



68.5165, 91.4119, 113.3437



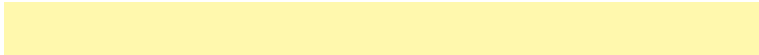
91.5818, 91.4119, 167.8489



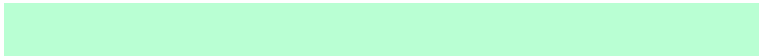
108.2723, 91.4119, 86.8906

Rectangle

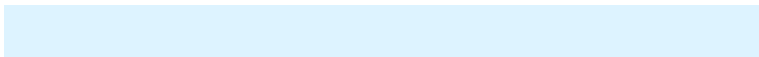
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3502, 91.4119, 52.8391



69.9561, 91.4119, 75.3998



91.5818, 91.4119, 167.8489



106.3442, 91.4119, 128.3315

Sweetspot

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



82.3525, 91.4160, 52.8410



90.5229, 97.0853, 88.4636



64.5453, 54.4926, 50.9411



19.2487, 20.6965, 18.3680



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

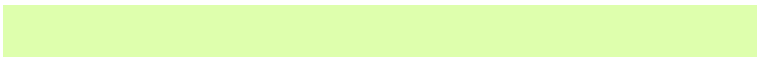
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3525, 91.4160, 52.8410



80.3163, 89.8722, 44.3670



73.4889, 90.0986, 53.0539



19.4209, 20.8100, 19.1375



36.8668, 41.7448, 6.1145



3.6270, 4.1394, 0.6078

Inverse Universe

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



51.6046, 48.7454, 101.2967



44.9546, 40.8055, 100.1146



58.3925, 50.2015, 101.2200



17.1275, 17.6266, 22.7495



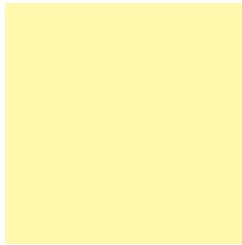
9.6215, 4.1525, 49.7290



0.9773, 0.4854, 4.8554

Previews

White Background



This preview shows how the XYZ color 82.3502, 91.4119, 52.8391 looks on a white background.

Color Contrast Check

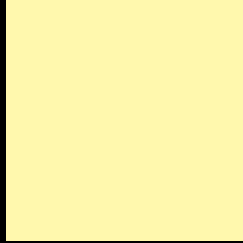
Large Text (above 18pt) WCAG AA × Fail

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 82.3502, 91.4119, 52.8391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

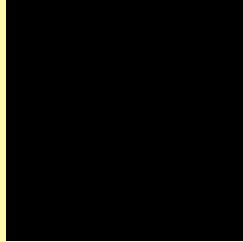
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.3502, 91.4119, 52.8391

Background



This preview shows how black text looks on a background with the XYZ color 82.3502, 91.4119, 52.8391.

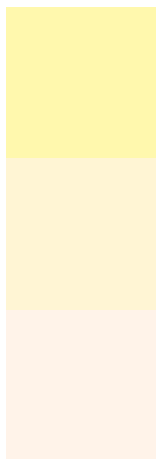


This preview shows how white text looks on a background with the XYZ color 82.3502, 91.4119,

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

82.3502, 91.4119, 52.8391

Protanopia

85.7761, 91.3183, 75.3927

Deuteranopia

87.9986, 91.2444, 90.0647



Tritanopia

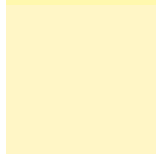
90.1079, 91.1356, 104.1085

Trichromacy



Original Color

82.3502, 91.4119, 52.8391



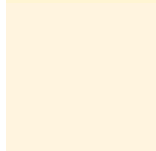
Protanomaly

84.3888, 91.2488, 66.5911



Deuteranomaly

85.6503, 91.2680, 74.7302



Tritanomaly

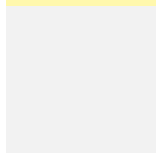
86.9100, 91.2891, 82.8519

Monochromacy



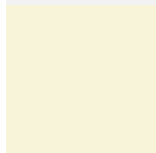
Original Color

82.3502, 91.4119, 52.8391



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

83.2328, 89.4853, 78.5312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3502, 91.4119, 52.8391 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 173) }
```

Border

The CSS property to change the border of an element to XYZ 82.3502, 91.4119, 52.8391 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, 173) }
```


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

```
.border{ border-color:rgb(255, 248, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3502, 91.4119, 52.8391 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, 173) }
```

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

```
.background{ background-color: rgb(255,  
248, 173) }
```

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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