

Converting Colors

XYZ(83.0009, 93.0430, 52.0396)

Have a look what the booklet for
XYZ(83.0009, 93.0430, 52.0396)
contains.

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Color

**XYZ(83.0879, 93.1946,
52.1372)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBAB
RGB	255, 251, 171
RGB Percent	100%, 98%, 67%
CMY	0.0000, 0.0157, 0.3294
CMYK	0.00, 0.02, 0.33, 0.00
HSL	57°, 100%, 84%
HSV	57°, 33%, 100%
XYZ	83.0879, 93.1946, 52.1372
YIQ	243.0760, 28.0640, -24.0320

Conversions

Conversions Part 2

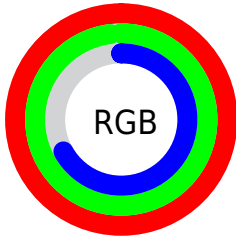
Format	Color
RYB	175, 255, 171
Decimal	16776107
CIELab	97.31, -10.31, 38.89
CIELCh	97, 40.231, 104.845
Yxy	93.1946, 0.3638, 0.4080
Android (android.graphics.Color)	4294966187 (0xFFFFFBAB)
YUV	243.0760, -35.5335, 10.4573
Hunter-Lab	96.5374, -15.3087, 35.5552

Details

The XYZ color **83.0879, 93.1946, 52.1372** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.1743, 46.5366, 100.9457**, and the grayscale version is **85.5122, 89.9655, 97.9724**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **45.8111, 52.2085, 24.8023** is the 20% darker color. If you saturate the color by 10%, you get **80.5113, 91.5632, 40.4217**, and if you desaturate by 10%, it is **86.1403, 95.0268, 66.3268**.

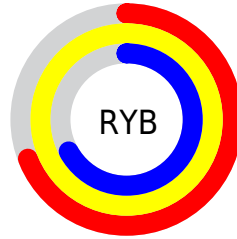
Distribution



Red (100%)

Green (98%)

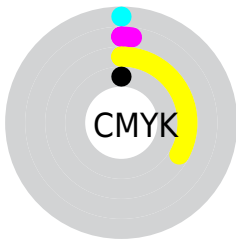
Blue (67%)



Red (69%)

Yellow (100%)

Blue (67%)

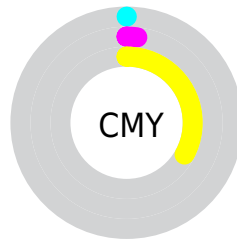


Cyan (0%)

Magenta (2%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0879, 93.1946, 52.1372 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 83.0879, 93.1946, 52.1372 by changing the saturation by 10% instead.

 83.0879, 93.1946,
52.1372

 83.0879, 93.1946,
52.1372


493.8589,
538.3689, 411.9381

 62.5798, 70.6333,
36.7315


 136.6264,
151.7680, 94.7622

 45.7587, 52.0430,
24.7055


170.3876,
188.5489, 122.8185

 32.2593, 37.0393,
15.6407


209.2972,
230.8383, 155.9288

 21.7161, 25.2379,
9.1187

253.7206,
279.0208, 194.5115

 13.7639, 16.2544,
4.7208

304.0231,
333.4807, 238.9853

 8.0372, 9.7044,
2.0285

360.5701,

 4.1708, 5.2034,

394.6025, 289.7686

0.5727

423.7269,
462.7704, 347.2800

■ 1.7992, 2.3671,
0.0000

■ 0.5172, 0.8089,
0.0000

■ 83.0879, 93.1946,
52.1372

■ 83.0879, 93.1946,
52.1372

■ 80.5113, 91.5632,
40.4217

■ 86.1403, 95.0268,
66.3268

■ 78.3768, 90.1092,
31.0320

■ 89.6867, 97.0572,
83.1159

■ 76.6568, 88.8249,
23.8129

■ 93.7526, 99.2992,
102.6281

■ 75.3178, 87.6968,
18.5881

95.0500, 100.0000,
108.9000

■ 74.3210, 86.7094,
15.1536

■ 73.6194, 85.8440,
13.2618

■ 73.2536, 85.2872,
12.6012

Harmonies

Analogous

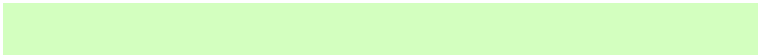
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4254, 93.1946, 52.1935



83.0879, 93.1946, 52.1372



74.0215, 93.1946, 63.1985

Triad

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



83.0879, 93.1946, 52.1372



73.9473, 93.1946, 152.4131



111.4316, 93.1946, 118.7605

Complementary

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



83.0879, 93.1946, 52.1372



50.1743, 46.5366, 100.9457

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.



104.9292, 93.1946, 152.7277



83.0879, 93.1946, 52.1372



82.9784, 93.1946, 174.8084

Square

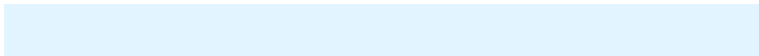
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0879, 93.1946, 52.1372



69.0596, 93.1946, 118.3972



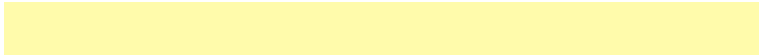
94.3062, 93.1946, 174.9346



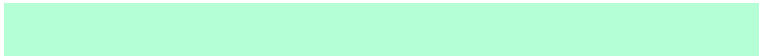
111.4673, 93.1946, 86.2439

Rectangle

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



83.0879, 93.1946, 52.1372



70.2055, 93.1946, 77.0899



94.3062, 93.1946, 174.9346



109.9066, 93.1946, 130.5216

Sweetspot

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



83.0901, 93.1988, 52.1391



90.8272, 97.6940, 88.5650



63.5611, 53.4899, 47.6362



19.3229, 20.8449, 18.3927



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

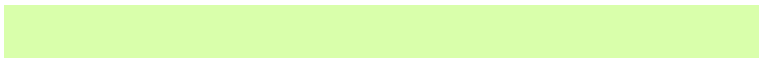
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0901, 93.1988, 52.1391



81.2222, 92.0247, 43.6187



71.7860, 89.2429, 51.9714



19.4829, 20.9339, 19.1581



38.3090, 44.6292, 6.5952



3.7519, 4.3892, 0.6495

Inverse Universe

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



50.1743, 46.5366, 100.9457



43.3881, 38.3947, 99.7319



58.8517, 49.8731, 101.1324



17.0723, 17.5161, 22.7311



9.5302, 3.9700, 49.6986



0.9512, 0.4331, 4.8467

Previews

White Background



This preview shows how the XYZ color 83.0879, 93.1946, 52.1372 looks on a white background.

Color Contrast Check

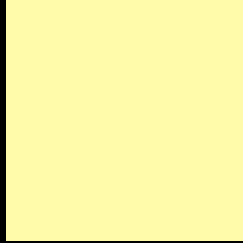
Large Text (above 18pt) WCAG AA × Fail

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 83.0879, 93.1946, 52.1372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

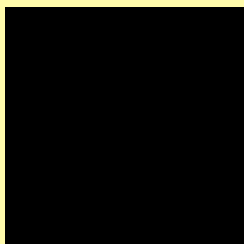
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.0879, 93.1946, 52.1372

Background



This preview shows how black text looks on a background with the XYZ color 83.0879, 93.1946, 52.1372.



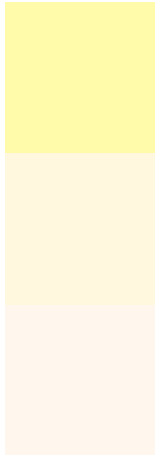
This preview shows how white text looks on a background with the XYZ color 83.0879, 93.1946,

52.1372.

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

83.0879, 93.1946, 52.1372

Protanopia

87.6856, 93.0555, 82.4472

Deuteranopia

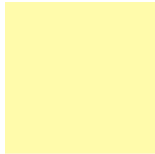
89.6284, 93.3446, 94.1823



Tritanopia

91.1614, 92.9896, 105.2395

Trichromacy



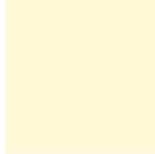
Original Color

83.0879, 93.1946, 52.1372



Protanomaly

85.5869, 92.7066, 69.8832



Deuteranomaly

86.9450, 93.2498, 77.0349



Tritanomaly

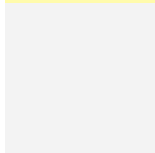
87.8200, 93.1092, 83.1553

Monochromacy



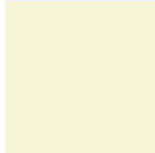
Original Color

83.0879, 93.1946, 52.1372



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.8379, 90.6954, 78.7329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0879, 93.1946, 52.1372 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 171) }
```

Border

The CSS property to change the border of an element to XYZ 83.0879, 93.1946, 52.1372 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, 171) }
```


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

```
.border{ border-color:rgb(255, 251, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0879, 93.1946, 52.1372 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, 171) }
```

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

```
.background{ background-color: rgb(255,  
251, 171) }
```

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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