

Converting Colors

XYZ(82.8054, 92.9319, 51.1113)

Have a look what the booklet for
XYZ(82.8054, 92.9319, 51.1113)
contains.

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Color

**XYZ(82.8986, 93.1189,
51.1406)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBA9
RGB	255, 251, 169
RGB Percent	100%, 98%, 66%
CMY	0.0000, 0.0157, 0.3372
CMYK	0.00, 0.02, 0.34, 0.00
HSL	57°, 100%, 83%
HSV	57°, 34%, 100%
XYZ	82.8986, 93.1189, 51.1406
YIQ	242.8480, 28.7060, -24.6540

Conversions

Conversions Part 2

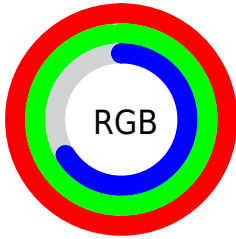
Format	Color
RYB	173, 255, 169
Decimal	16776105
CIELab	97.28, -10.54, 39.84
CIElCh	97, 41.209, 104.817
Yxy	93.1189, 0.3649, 0.4099
Android (android.graphics.Color)	4294966185 (0xFFFFFBA9)
YUV	242.8480, -36.4071, 10.6573
Hunter-Lab	96.4981, -15.5278, 36.1271

Details

The XYZ color **82.8986, 93.1189, 51.1406** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.3555, 45.5409, 100.7967**, and the grayscale version is **85.3369, 89.7811, 97.7716**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **45.6935, 52.1615, 24.1829** is the 20% darker color. If you saturate the color by 10%, you get **80.3665, 91.5193, 39.6158**, and if you desaturate by 10%, it is **85.9045, 94.9183, 65.1287**.

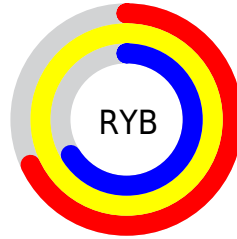
Distribution



Red (100%)

Green (98%)

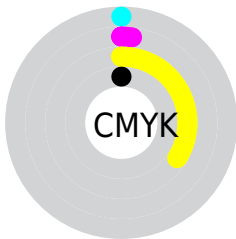
Blue (66%)



Red (68%)

Yellow (100%)

Blue (66%)

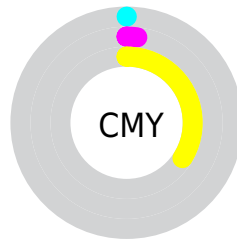


Cyan (0%)

Magenta (2%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8986, 93.1189, 51.1406 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 82.8986, 93.1189, 51.1406 by changing the saturation by 10% instead.


 82.8986, 93.1189,
51.1406

 82.8986, 93.1189,
51.1406


493.2376,
538.1251, 407.9719

 62.4231, 70.5703,
35.9430


 136.3627,
151.6632, 93.2762

 45.6316, 51.9916,
24.1008


170.0820,
188.4278, 121.0513

 32.1586, 36.9984,
15.1955


208.9467,
230.6997, 153.8560

 21.6388, 25.2063,
8.8086

253.3221,
278.8636, 192.1088

 13.7068, 16.2308,
4.5214

303.5735,
333.3036, 236.2282

 7.9974, 9.6876,
1.9155

360.0663,

 4.1451, 5.1923,

394.4043, 286.6329

0.5026

423.1659,
462.5500, 343.7413

■ 1.7845, 2.3605,
0.0000

■ 0.5083, 0.8055,
0.0000

■ 82.8986, 93.1189,
51.1406

■ 82.8986, 93.1189,
51.1406

■ 80.3665, 91.5193,
39.6158

■ 85.9045, 94.9183,
65.1287

■ 78.2741, 90.0960,
30.4051

■ 89.4023, 96.9149,
81.7063

■ 76.5936, 88.8411,
23.3519

■ 93.4177, 99.1222,
100.9978

■ 75.2911, 87.7411,
18.2780

95.0500, 100.0000,
108.9000

■ 74.3274, 86.7803,
14.9769

■ 73.6546, 85.9396,
13.1963

■ 73.3380, 85.4561,
12.6293

Harmonies

Analogous

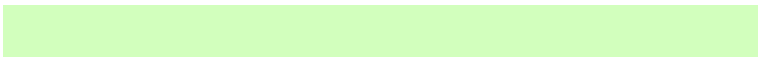
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.5066, 93.1189, 51.2078



82.8986, 93.1189, 51.1406



73.6323, 93.1189, 62.3381

Triad

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



82.8986, 93.1189, 51.1406



73.5428, 93.1189, 153.6888



111.9437, 93.1189, 119.1455

Complementary

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



82.8986, 93.1189, 51.1406



49.3555, 45.5409, 100.7967

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.



105.2604, 93.1189, 154.0715



82.8986, 93.1189, 51.1406



82.7663, 93.1189, 176.7995

Square

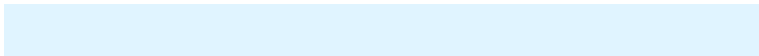
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8986, 93.1189, 51.1406



68.5617, 93.1189, 118.7052



94.3622, 93.1189, 176.9532



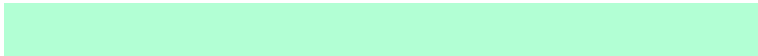
111.9871, 93.1189, 85.8474

Rectangle

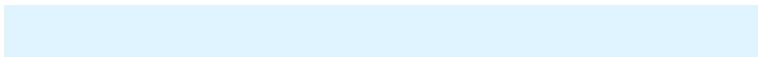
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8986, 93.1189, 51.1406



69.7364, 93.1189, 76.4600



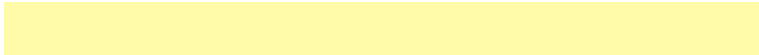
94.3622, 93.1189, 176.9532



110.3749, 93.1189, 131.2251

Sweetspot

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



82.9009, 93.1231, 51.1425



90.8362, 97.7119, 88.5680



63.0006, 52.6657, 46.5337



19.3251, 20.8493, 18.3935



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

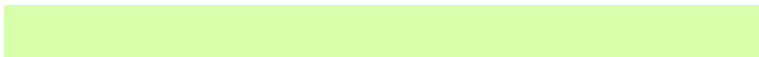
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9009, 93.1231, 51.1425



81.2573, 92.0949, 43.6304



71.3296, 89.0295, 50.9623



19.4847, 20.9375, 19.1587



38.3524, 44.7160, 6.6097



3.7557, 4.3967, 0.6507

Inverse Universe

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



49.3555, 45.5409, 100.7967



43.3688, 38.3563, 99.7255



58.1670, 48.9635, 100.9929



17.0707, 17.5129, 22.7306



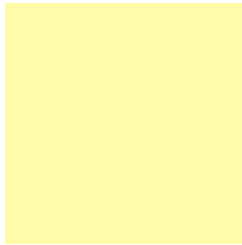
9.5279, 3.9654, 49.6978



0.9504, 0.4316, 4.8465

Previews

White Background



This preview shows how the XYZ color 82.8986, 93.1189, 51.1406 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 82.8986, 93.1189, 51.1406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

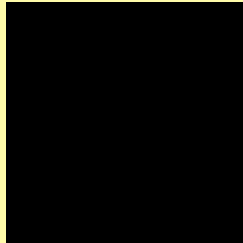
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.8986, 93.1189, 51.1406

Background



This preview shows how black text looks on a background with the XYZ color 82.8986, 93.1189, 51.1406.

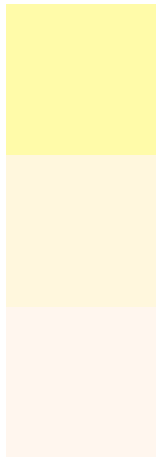


This preview shows how white text looks on a background with the XYZ color 82.8986, 93.1189,

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

82.8986, 93.1189, 51.1406

Protanopia

87.5519, 93.0020, 81.7433

Deuteranopia

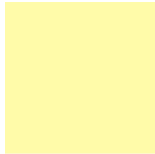
89.6284, 93.3446, 94.1823



Tritanopia

91.1614, 92.9896, 105.2395

Trichromacy



Original Color

82.8986, 93.1189, 51.1406



Protanomaly

85.4681, 92.6591, 69.2575



Deuteranomaly

86.8176, 93.1989, 76.3642



Tritanomaly

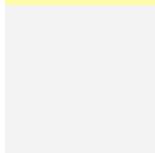
87.6856, 93.0555, 82.4472

Monochromacy



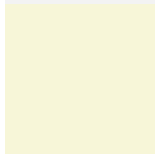
Original Color

82.8986, 93.1189, 51.1406



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.7082, 90.6436, 78.0498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8986, 93.1189, 51.1406 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 169) }
```

Border

The CSS property to change the border of an element to XYZ 82.8986, 93.1189, 51.1406 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, 169) }
```


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

```
.border{ border-color:rgb(255, 251, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8986, 93.1189, 51.1406 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, 169) }
```

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

```
.background{ background-color: rgb(255,  
251, 169) }
```

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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