

Converting Colors

XYZ(82.5718, 93.7677, 51.0344)

Have a look what the booklet for
XYZ(82.5718, 93.7677, 51.0344)
contains.

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Color

**XYZ(82.7012, 93.9604,
50.8231)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFDA8
RGB	253, 253, 168
RGB Percent	99%, 99%, 66%
CMY	0.0078, 0.0078, 0.3412
CMYK	0.00, 0.00, 0.34, 0.01
HSL	60°, 96%, 83%
HSV	60°, 34%, 99%
XYZ	82.7012, 93.9604, 50.8231
YIQ	243.3100, 27.2850, -26.4350

Conversions

Conversions Part 2

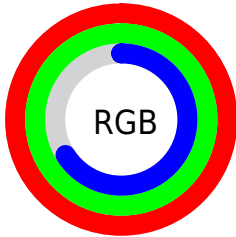
Format	Color
RYB	168, 253, 168
Decimal	16645544
CIELab	97.62, -12.38, 40.75
CIELCh	98, 42.588, 106.906
Yxy	93.9604, 0.3635, 0.4130
Android (android.graphics.Color)	4294835624 (0xFFFDFDA8)
YUV	243.3100, -37.1278, 8.4981
Hunter-Lab	96.9332, -17.3409, 36.7668

Details

The XYZ color **82.7012, 93.9604, 50.8231** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.8841, 43.4243, 98.7920**, and the grayscale version is **85.7117, 90.1754, 98.2010**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **45.3401, 52.3198, 23.9287** is the 20% darker color. If you saturate the color by 10%, you get **80.5701, 93.1112, 39.5941**, and if you desaturate by 10%, it is **85.2956, 95.0016, 64.4712**.

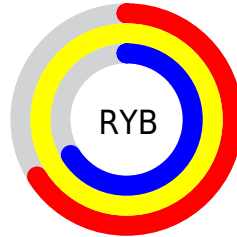
Distribution



Red (99%)

Green (99%)

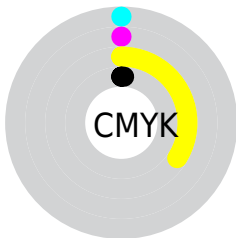
Blue (66%)



Red (66%)

Yellow (99%)

Blue (66%)

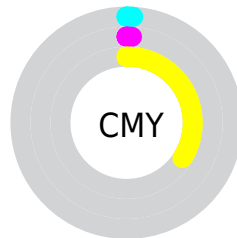


Cyan (0%)

Magenta (0%)

Yellow (34%)

Black (1%)



Cyan (1%)


Magenta (1%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.7012, 93.9604, 50.8231 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 82.7012, 93.9604, 50.8231 by changing the saturation by 10% instead.


 82.7012, 93.9604,
50.8231

 82.7012, 93.9604,
50.8231

492.5892,
540.8314, 406.7030

 62.2598, 71.2700,
35.6921


 136.0876,
152.8276, 92.8021

 45.4990, 52.5626,
23.9087


169.7633,
189.7732, 120.4871

 32.0536, 37.4537,
15.0543


208.5810,
232.2393, 153.1939

 21.5582, 25.5590,
8.7105

252.9063,
280.6103, 191.3409

 13.6474, 16.4940,
4.4586

303.1044,
335.2706, 235.3469

 7.9559, 9.8744,
1.8801

359.5406,

 4.1183, 5.3157,

396.6047, 285.6301

0.4801

422.5805,
464.9968, 342.6094

■ 1.7693, 2.4337,
0.0000

■ 0.4991, 0.8431,
0.0000

■ 82.7012, 93.9604,
50.8231

■ 82.7012, 93.9604,
50.8231

■ 80.5701, 93.1112,
39.5941

■ 85.2956, 95.0016,
64.4712

■ 78.8686, 92.4305,
30.6376

■ 88.3709, 96.2318,
80.6617

■ 77.5695, 91.9108,
23.8005

■ 91.9522, 97.6643,
99.5167

■ 76.6398, 91.5388,
18.9082

■ 93.6882, 98.3588,
108.6550

■ 76.0409, 91.2992,
15.7585

■ 93.6889, 98.3592,
108.6550

■ 75.7263, 91.1732,
14.1050

■ 93.6896, 98.3596,
108.6551

■ 75.6308, 91.1350,
13.6047

■ 93.6903, 98.3599,
108.6551

■ 93.6910, 98.3603,
108.6551

■ 93.6917, 98.3606,
108.6552

Harmonies

Analogous

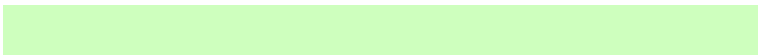
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6898, 93.9604, 50.1061



82.7012, 93.9604, 50.8231



73.3505, 93.9604, 63.1551

Triad

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



82.7012, 93.9604, 50.8231



74.3156, 93.9604, 159.1775



113.9762, 93.9604, 118.1811

Complementary

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



82.7012, 93.9604, 50.8231



47.8841, 43.4243, 98.7920

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.



107.4234, 93.9604, 155.0013



82.7012, 93.9604, 50.8231



84.1313, 93.9604, 182.0322

Square

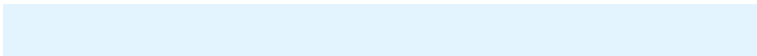
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7012, 93.9604, 50.8231



68.8177, 93.9604, 122.9632



96.2546, 93.9604, 180.3509



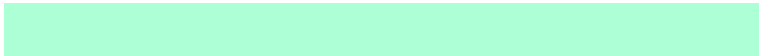
113.5050, 93.9604, 84.1040

Rectangle

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



82.7012, 93.9604, 50.8231



69.5434, 93.9604, 78.3020



96.2546, 93.9604, 180.3509



112.4985, 93.9604, 130.7758

Sweetspot

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



82.7035, 93.9647, 50.8251



91.2121, 98.4647, 88.6935



61.5816, 51.7173, 43.7838



19.4168, 21.0330, 18.4241



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

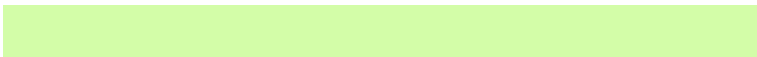
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7035, 93.9647, 50.8251



82.7469, 95.0784, 44.1277



68.9177, 86.8578, 50.1799



19.5612, 21.0907, 19.1843



40.2305, 48.4777, 7.2368



3.9171, 4.7201, 0.7046

Inverse Universe

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



47.8841, 43.4243, 98.7920



42.5796, 36.7755, 99.4619



58.4560, 48.8743, 99.2867



17.0032, 17.3779, 22.7080



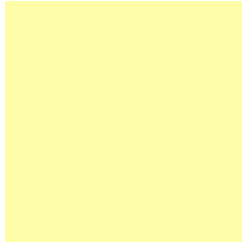
9.4317, 3.7727, 49.6657



0.9184, 0.3674, 4.8358

Previews

White Background



This preview shows how the XYZ color 82.7012, 93.9604, 50.8231 looks on a white background.

Color Contrast Check

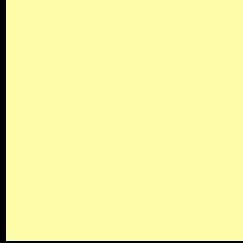
Large Text (above 18pt) WCAG AA × Fail

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 82.7012, 93.9604, 50.8231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

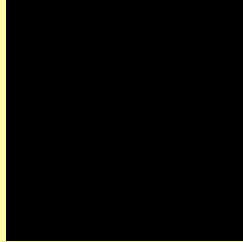
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.7012, 93.9604, 50.8231

Background



This preview shows how black text looks on a background with the XYZ color 82.7012, 93.9604, 50.8231.

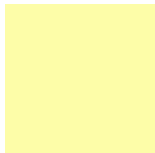


This preview shows how white text looks on a background with the XYZ color 82.7012, 93.9604,

Color Blindness Simulation

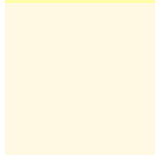
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



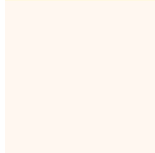
Original Color

82.7012, 93.9604, 50.8231



Protanopia

88.5349, 93.8858, 85.4070



Deuteranopia

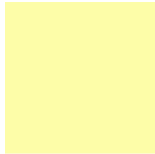
90.2289, 94.0728, 95.8404



Tritanopia

91.6220, 93.6567, 106.1771

Trichromacy



Original Color

82.7012, 93.9604, 50.8231



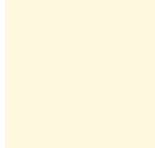
Protanomaly

86.0781, 93.8498, 71.3356



Deuteranomaly

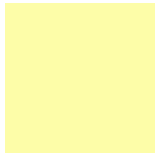
86.8863, 93.6772, 77.1204



Tritanomaly

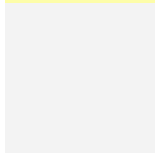
87.6253, 93.4796, 82.5323

Monochromacy



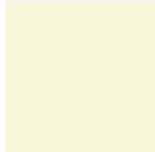
Original Color

82.7012, 93.9604, 50.8231



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

84.0132, 91.2536, 78.1515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.7012, 93.9604, 50.8231 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(253, 253, 168)` looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 168)  
}
```

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(253, 253, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 168) }
```

Border

The CSS property to change the border of an element to XYZ 82.7012, 93.9604, 50.8231 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(253, 253, 168) }
```


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

```
.border{ border-color:rgb(253, 253, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 253, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 168);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 82.7012, 93.9604, 50.8231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 168) }
```

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

```
.background{ background-color: rgb(253,  
253, 168) }
```

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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