

Converting Colors

XYZ(98.9587, 100.0000,
52.5041)

Have a look what the booklet for
XYZ(98.9587, 100.0000, 52.5041)
contains.

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Color

**XYZ(82.1581, 91.3351,
51.8273)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8AB
RGB	255, 248, 171
RGB Percent	100%, 97%, 67%
CMY	0.0000, 0.0274, 0.3294
CMYK	0.00, 0.03, 0.33, 0.00
HSL	55°, 100%, 84%
HSV	55°, 33%, 100%
XYZ	82.1581, 91.3351, 51.8273
YIQ	241.3150, 28.8890, -22.4630

Conversions

Conversions Part 2

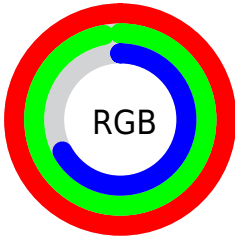
Format	Color
RYB	179, 255, 171
Decimal	16775339
CIELab	96.55, -8.83, 37.89
CIELCh	97, 38.905, 103.114
Yxy	91.3351, 0.3646, 0.4054
Android (android.graphics.Color)	4294965419 (0xFFFFF8AB)
YUV	241.3150, -34.6653, 12.0017
Hunter-Lab	95.5694, -13.7954, 34.7456

Details

The XYZ color **82.1581, 91.3351, 51.8273** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.7647, 47.7173, 101.1425**, and the grayscale version is **84.1079, 88.4881, 96.3635**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **45.1456, 50.8776, 24.5805** is the 20% darker color. If you saturate the color by 10%, you get **79.3100, 89.1606, 40.0213**, and if you desaturate by 10%, it is **85.4870, 93.7203, 66.1091**.

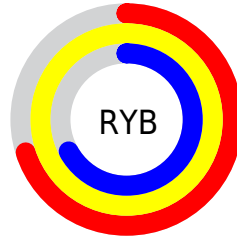
Distribution



Red (100%)

Green (97%)

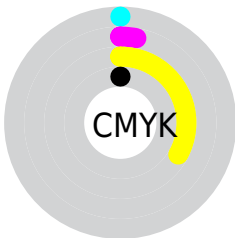
Blue (67%)



Red (70%)

Yellow (100%)

Blue (67%)

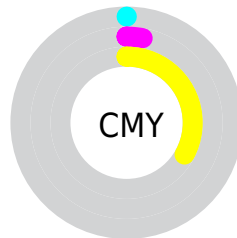


Cyan (0%)

Magenta (3%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.1581, 91.3351, 51.8273 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 82.1581, 91.3351, 51.8273 by changing the saturation by 10% instead.


 82.1581, 91.3351,
51.8273

 82.1581, 91.3351,
51.8273


490.8029,
532.3644, 410.7075

 61.8104, 69.0885,
36.4861


 135.3304,
149.1915, 94.3005

 45.1345, 50.7838,
24.5172


168.8856,
185.5701, 122.2696

 31.7651, 36.0366,
15.5020


207.5742,
227.4282, 155.2851

 21.3369, 24.4624,
9.0219

251.7613,
275.1502, 193.7655

 13.4843, 15.6770,
4.6585

301.8124,
329.1203, 238.1295

 7.8422, 9.2959,
1.9931

358.0927,

 4.0451, 4.9347,

389.7232, 288.7954

0.5510

420.9678,
457.3431, 346.1819

■ 1.7277, 2.2090,
0.0000

■ 0.4735, 0.7249,
0.0000

■ 82.1581, 91.3351,
51.8273

■ 82.1581, 91.3351,
51.8273

■ 79.3100, 89.1606,
40.0213

■ 85.4870, 93.7203,
66.1091

■ 76.9090, 87.1734,
30.5427

■ 89.3150, 96.3137,
82.9919

■ 74.9273, 85.3658,
23.2364

■ 93.6673, 99.1288,
102.5997

■ 73.3316, 83.7243,
17.9260

95.0500, 100.0000,
108.9000

■ 72.0829, 82.2333,
14.4076

■ 71.1344, 80.8740,
12.4334

■ 70.5972, 79.9744,
11.7157

Harmonies

Analogous

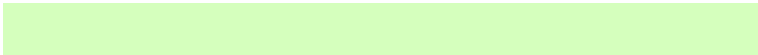
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0204, 91.3351, 52.4900



82.1581, 91.3351, 51.8273



73.3047, 91.3351, 61.8621

Triad

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



82.1581, 91.3351, 51.8273



72.4398, 91.3351, 146.1877



108.3697, 91.3351, 117.8543

Complementary

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



82.1581, 91.3351, 51.8273



50.7647, 47.7173, 101.1425

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.



101.8826, 91.3351, 149.8162



82.1581, 91.3351, 51.8273



80.8848, 91.3351, 168.3685

Square

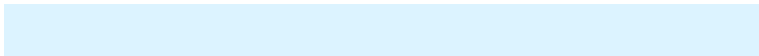
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1581, 91.3351, 51.8273



68.0174, 91.3351, 113.6469



91.6369, 91.3351, 169.8200



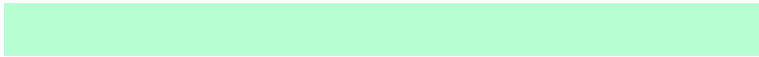
108.7827, 91.3351, 86.4846

Rectangle

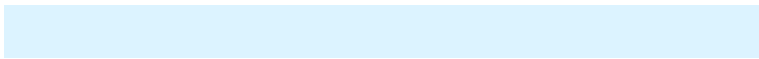
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1581, 91.3351, 51.8273



69.4835, 91.3351, 74.7771



91.6369, 91.3351, 169.8200



106.8039, 91.3351, 129.0246

Sweetspot

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



82.1603, 91.3392, 51.8292



90.5392, 97.1180, 88.4690



63.8395, 53.6012, 49.1020



19.2526, 20.7044, 18.3693



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

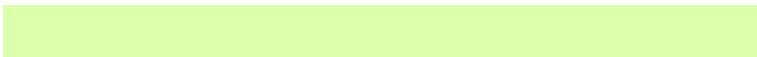
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1603, 91.3392, 51.8292



80.1002, 89.7808, 43.2447



72.6264, 89.6762, 52.0107



19.4242, 20.8167, 19.1386



36.9425, 41.8962, 6.1397



3.6336, 4.1525, 0.6100

Inverse Universe

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



50.7647, 47.7173, 101.1425



44.0179, 39.6544, 99.9418



58.0674, 49.4687, 101.0957



17.1245, 17.6207, 22.7485



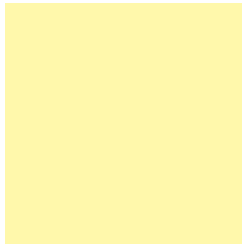
9.6157, 4.1409, 49.7271



0.9759, 0.4825, 4.8550

Previews

White Background



This preview shows how the XYZ color 82.1581, 91.3351, 51.8273 looks on a white background.

Color Contrast Check

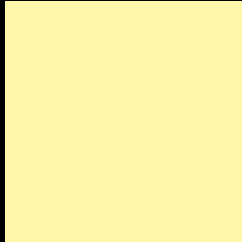
Large Text (above 18pt) WCAG AA × Fail

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 82.1581, 91.3351, 51.8273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

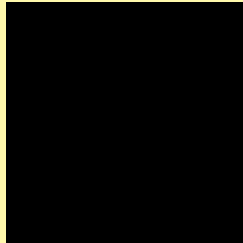
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.1581, 91.3351, 51.8273

Background



This preview shows how black text looks on a background with the XYZ color 82.1581, 91.3351, 51.8273.



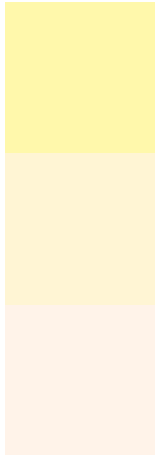
This preview shows how white text looks on a background with the XYZ color 82.1581, 91.3351,

51.8273.

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

82.1581, 91.3351, 51.8273

Protanopia

85.7761, 91.3183, 75.3927

Deuteranopia

87.9986, 91.2444, 90.0647



Tritanopia

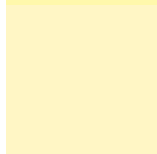
89.9506, 91.0727, 103.2804

Trichromacy



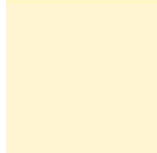
Original Color

82.1581, 91.3351, 51.8273



Protanomaly

84.2738, 91.2028, 65.9855



Deuteranomaly

85.5253, 91.2180, 74.0719



Tritanomaly

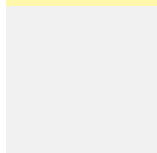
86.6418, 91.1818, 81.4400

Monochromacy



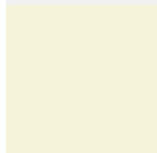
Original Color

82.1581, 91.3351, 51.8273



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

82.7514, 89.2521, 77.8317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.1581, 91.3351, 51.8273 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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, 248, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 171) }
```

Border

The CSS property to change the border of an element to XYZ 82.1581, 91.3351, 51.8273 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, 171) }
```


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

```
.border{ border-color:rgb(255, 248, 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, 248, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 248, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 248, 171); box-shadow:4px 4px 4px 4px rgb(255, 248, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1581, 91.3351, 51.8273 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, 171) }
```

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

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