

Converting Colors

XYZ(81.7098, 89.9630, 53.1438)

Have a look what the booklet for
XYZ(81.7098, 89.9630, 53.1438)
contains.

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Color

**XYZ(81.8357, 90.2275,
53.1468)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6AE
RGB	255, 246, 174
RGB Percent	100%, 96%, 68%
CMY	0.0000, 0.0353, 0.3176
CMYK	0.00, 0.04, 0.32, 0.00
HSL	53°, 100%, 84%
HSV	53°, 32%, 100%
XYZ	81.8357, 90.2275, 53.1468
YIQ	240.4830, 28.4760, -20.4840

Conversions

Conversions Part 2

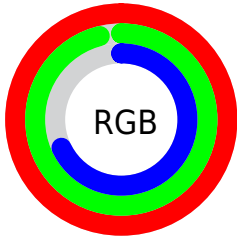
Format	Color
RYB	184, 255, 174
Decimal	16774830
CIELab	96.09, -7.48, 35.79
CIELCh	96, 36.563, 101.808
Yxy	90.2275, 0.3634, 0.4006
Android (android.graphics.Color)	4294964910 (0xFFFFF6AE)
YUV	240.4830, -32.7761, 12.7314
Hunter-Lab	94.9882, -12.4451, 33.3184

Details

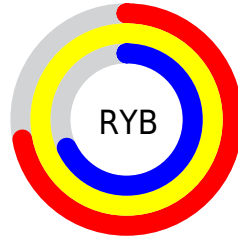
The XYZ color **81.8357, 90.2275, 53.1468** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.4387, 50.0842, 101.5111**, and the grayscale version is **83.4383, 87.7836, 95.5964**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **44.8906, 50.0777, 25.3891** is the 20% darker color. If you saturate the color by 10%, you get **78.7282, 87.6201, 40.9888**, and if you desaturate by 10%, it is **85.4328, 93.0581, 67.7983**.

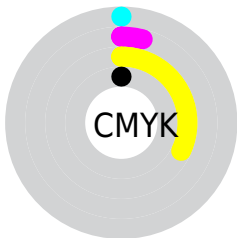
Distribution



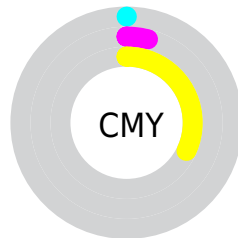
- Red (100%)
- Green (96%)
- Blue (68%)



- Red (72%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (4%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.8357, 90.2275, 53.1468 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 81.8357, 90.2275, 53.1468 by changing the saturation by 10% instead.


 81.8357, 90.2275,
53.1468

 81.8357, 90.2275,
53.1468


489.7408,
528.7706, 415.9303

 61.5438, 68.1693,
37.5314


 134.8806,
147.6544, 96.2641

 44.9184, 50.0355,
25.3202


168.3643,
183.7919, 124.6031

 31.5941, 35.4416,
16.0946


206.9759,
225.3913, 158.0204

 21.2057, 24.0033,
9.4360

251.0808,
272.8370, 196.9345

 13.3878, 15.3360,
4.9260

301.0444,
326.5133, 241.7641

 7.7749, 9.0556,
2.1459

357.2321,

 4.0019, 4.7774,

386.8048, 292.9275

0.6429

420.0091,
454.0958, 350.8434

■ 1.7032, 2.1173,
0.0000

■ 0.4583, 0.6743,
0.0000

■ 81.8357, 90.2275,
53.1468

■ 81.8357, 90.2275,
53.1468

■ 78.7282, 87.6201,
40.9888

■ 85.4328, 93.0581,
67.7983

■ 76.0767, 85.2129,
31.1777

■ 89.5375, 96.1096,
85.0677

■ 73.8539, 82.9980,
23.5601

■ 94.1751, 99.3955,
105.0777

■ 72.0269, 80.9621,
17.9623

■ 95.0500, 100.0000,
108.9000

■ 70.5574, 79.0899,
14.1841

■ 69.3998, 77.3629,
11.9844

■ 68.6234, 76.0268,
11.0578

Harmonies

Analogous

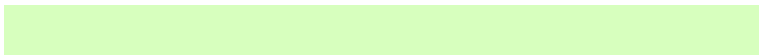
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9815, 90.2275, 54.2208



81.8357, 90.2275, 53.1468



73.4232, 90.2275, 62.2663

Triad

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



81.8357, 90.2275, 53.1468



72.0497, 90.2275, 140.2988



105.6164, 90.2275, 116.6985

Complementary

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



81.8357, 90.2275, 53.1468



52.4387, 50.0842, 101.5111

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.



99.4034, 90.2275, 145.9402



81.8357, 90.2275, 53.1468



79.8228, 90.2275, 161.3055

Square

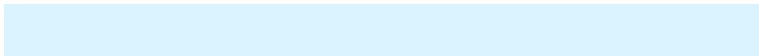
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8357, 90.2275, 53.1468



68.0780, 90.2275, 110.1004



89.8048, 90.2275, 163.5523



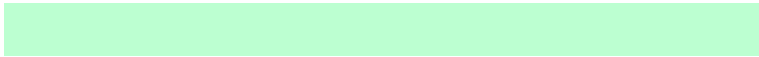
106.2624, 90.2275, 87.2680

Rectangle

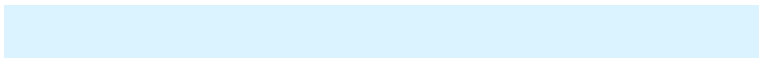
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8357, 90.2275, 53.1468



69.7178, 90.2275, 74.1849



89.8048, 90.2275, 163.5523



104.0883, 90.2275, 127.0085

Sweetspot

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



81.8380, 90.2316, 53.1487



90.3162, 96.6719, 88.3947



64.9709, 54.9707, 52.2329



19.1983, 20.5957, 18.3512



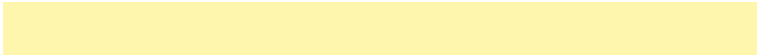
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

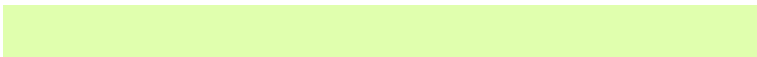
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8380, 90.2316, 53.1487



79.8434, 88.5785, 45.2821



74.1255, 90.4155, 53.5907



19.3788, 20.7259, 19.1234



35.9263, 39.8638, 5.8010



3.5451, 3.9755, 0.5805

Inverse Universe

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



52.4387, 50.0842, 101.5111



46.3320, 42.8228, 100.4314



58.3775, 50.4794, 101.2744



17.1653, 17.7023, 22.7621



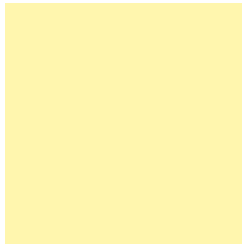
9.7040, 4.3176, 49.7565



0.9951, 0.5210, 4.8614

Previews

White Background



This preview shows how the XYZ color 81.8357, 90.2275, 53.1468 looks on a white background.

Color Contrast Check

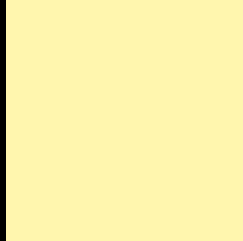
Large Text (above 18pt) WCAG AA × Fail

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 81.8357, 90.2275, 53.1468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

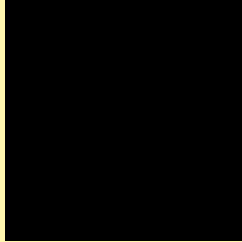
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.8357, 90.2275, 53.1468

Background



This preview shows how black text looks on a background with the XYZ color 81.8357, 90.2275, 53.1468.

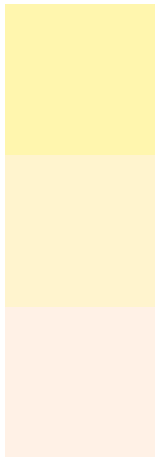


This preview shows how white text looks on a background with the XYZ color 81.8357, 90.2275,

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

81.8357, 90.2275, 53.1468

Protanopia

84.7313, 90.4176, 71.3790

Deuteranopia

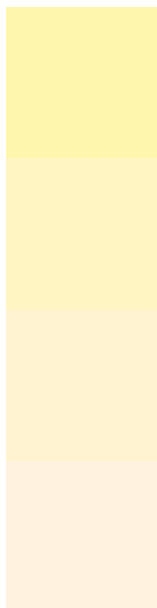
86.9782, 89.8838, 87.6280



Tritanopia

89.4990, 90.4197, 102.3582

Trichromacy



Original Color

81.8357, 90.2275, 53.1468

Protanomaly

83.6300, 90.4599, 64.0917

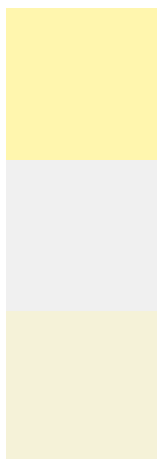
Deuteranomaly

84.9235, 90.0143, 73.8713

Tritanomaly

86.1769, 90.0382, 81.9443

Monochromacy



Original Color

81.8357, 90.2275, 53.1468

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.8030, 87.8746, 77.6158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8357, 90.2275, 53.1468 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, 246, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 174)  
}
```

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, 246, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 174) }
```

Border

The CSS property to change the border of an element to XYZ 81.8357, 90.2275, 53.1468 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, 246, 174) }
```


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

```
.border{ border-color:rgb(255, 246, 174) }
```

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

Here you see how a box with a 4 pixel rgb(255, 246, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8357, 90.2275, 53.1468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 174) }
```

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

```
.background{ background-color: rgb(255,  
246, 174) }
```

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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