

Converting Colors

XYZ(100.3919, 100.0000,
52.1152)

Have a look what the booklet for
XYZ(100.3919, 100.0000, 52.1152)
contains.

| | |
|------------------------------------------------|----|
| XYZ(81.4515, 90.0738, 51.1232) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(81.4515, 90.0738,
51.1232)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFF6AA |
| RGB | 255, 246, 170 |
| RGB Percent | 100%, 96%, 67% |
| CMY | 0.0000, 0.0353, 0.3333 |
| CMYK | 0.00, 0.04, 0.33, 0.00 |
| HSL | 54°, 100%, 83% |
| HSV | 54°, 33%, 100% |
| XYZ | 81.4515, 90.0738, 51.1232 |
| YIQ | 240.0270, 29.7600, -21.7280 |

Conversions

Conversions Part 2

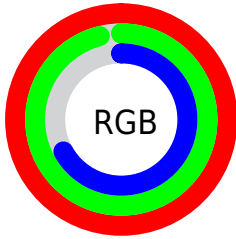
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 180, 255, 170 |
| Decimal | 16774826 |
| CIELab | 96.03, -7.95, 37.70 |
| CIELCh | 96, 38.533, 101.911 |
| Yxy | 90.0738, 0.3658, 0.4046 |
| Android (android.graphics.Color) | 4294964906 (0xFFFFF6AA) |
| YUV | 240.0270, -34.5233, 13.1313 |
| Hunter-Lab | 94.9072, -12.8949, 34.4976 |

Details

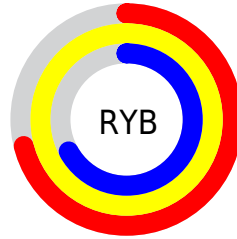
The XYZ color **81.4515, 90.0738, 51.1232** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.7474, 48.0049, 101.1989**, and the grayscale version is **83.0929, 87.4202, 95.2006**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **44.6503, 49.9816, 24.1237** is the 20% darker color. If you saturate the color by 10%, you get **78.4555, 87.5749, 39.3559**, and if you desaturate by 10%, it is **84.9317, 92.7918, 65.3623**.

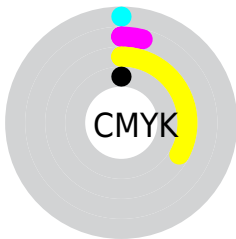
Distribution



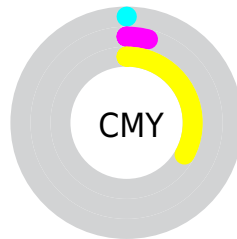
- Red (100%)
- Green (96%)
- Blue (67%)



- Red (71%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (4%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.4515, 90.0738, 51.1232 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 81.4515, 90.0738, 51.1232 by changing the saturation by 10% instead.


 81.4515, 90.0738,
51.1232

 81.4515, 90.0738,
51.1232

488.4735,
528.2709, 407.9025

 61.2261, 68.0419,
35.9293


 134.3444,
147.4409, 93.2502

 44.6609, 49.9318,
24.0903


167.7426,
183.5448, 121.0204

 31.3905, 35.3592,
15.1878


206.2624,
225.1082, 153.8197

 21.0497, 23.9397,
8.8032

250.2692,
272.5155, 192.0667

 13.2730, 15.2889,
4.5180

300.1284,
326.1510, 236.1799

 7.6951, 9.0224,
1.9136

356.2052,

 3.9506, 4.7558,

386.3991, 286.5780

0.5014

418.8652,
453.6443, 343.6793

■ 1.6742, 2.1047,
0.0000

■ 0.4401, 0.6673,
0.0000

■ 81.4515, 90.0738,
51.1232

■ 81.4515, 90.0738,
51.1232

■ 78.4555, 87.5749,
39.3559

■ 84.9317, 92.7918,
65.3623

■ 75.9099, 85.2720,
29.9118

■ 88.9146, 95.7268,
82.1991

■ 73.7871, 83.1571,
22.6349

■ 93.4256, 98.8924,
101.7577

■ 72.0531, 81.2166,
17.3480

95.0500, 100.0000,
108.9000

■ 70.6690, 79.4348,
13.8457

■ 69.5873, 77.7927,
11.8783

■ 68.9885, 76.7571,
11.1795

Harmonies

Analogous

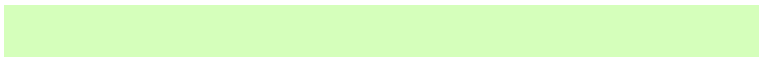
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1350, 90.0738, 52.1909



81.4515, 90.0738, 51.1232



72.6387, 90.0738, 60.5578

Triad

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



81.4515, 90.0738, 51.1232



71.2480, 90.0738, 142.7409



106.6102, 90.0738, 117.4521

Complementary

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



81.4515, 90.0738, 51.1232



50.7474, 48.0049, 101.1989

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.



100.0457, 90.0738, 148.5624



81.4515, 90.0738, 51.1232



79.4052, 90.0738, 165.1215

Square

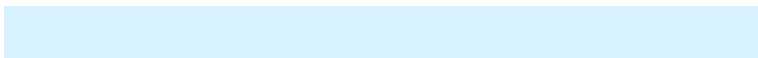
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4515, 90.0738, 51.1232



67.0834, 90.0738, 110.6958



89.9127, 90.0738, 167.4493



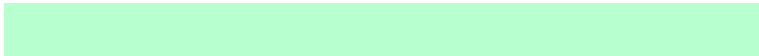
107.2732, 90.0738, 86.4520

Rectangle

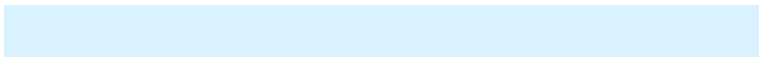
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4515, 90.0738, 51.1232



68.7740, 90.0738, 72.9528



89.9127, 90.0738, 167.4493



104.9968, 90.0738, 128.3892

Sweetspot

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



81.4537, 90.0778, 51.1251



90.3581, 96.7557, 88.4086



63.8451, 53.3023, 50.0600



19.2085, 20.6162, 18.3546



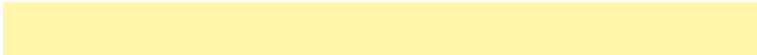
0.0000, 0.0000, 0.0000



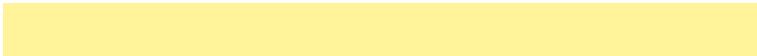
20.3446, 21.4041, 23.3091

Same Dimension

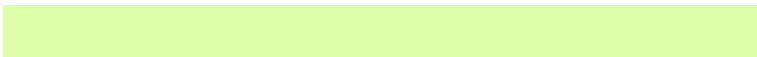
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4537, 90.0778, 51.1251



79.4029, 88.3862, 43.0123



73.2682, 90.0180, 51.5449



19.3874, 20.7429, 19.1263



36.1143, 40.2399, 5.8637



3.5615, 4.0083, 0.5860

Inverse Universe

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



50.7474, 48.0049, 101.1989



44.4252, 40.4690, 100.0776



56.9408, 48.6086, 100.9890



17.1577, 17.6869, 22.7596



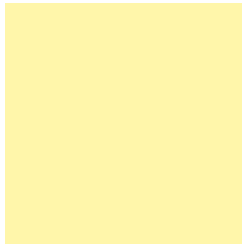
9.6859, 4.2813, 49.7505



0.9915, 0.5138, 4.8602

Previews

White Background



This preview shows how the XYZ color 81.4515, 90.0738, 51.1232 looks on a white background.

Color Contrast Check

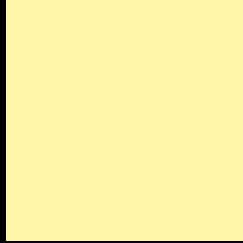
Large Text (above 18pt) WCAG AA × Fail

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 81.4515, 90.0738, 51.1232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

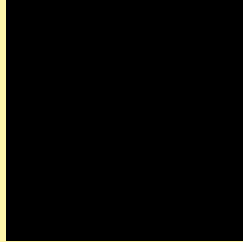
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.4515, 90.0738, 51.1232

Background



This preview shows how black text looks on a background with the XYZ color 81.4515, 90.0738, 51.1232.

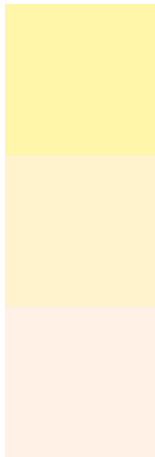


This preview shows how white text looks on a background with the XYZ color 81.4515, 90.0738,

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

81.4515, 90.0738, 51.1232

Protanopia

84.3100, 89.7690, 70.6411

Deuteranopia

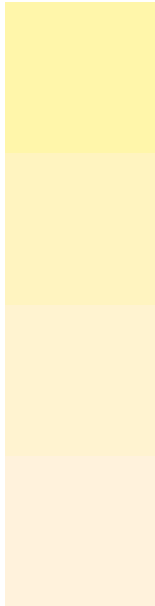
86.9782, 89.8838, 87.6280



Tritanopia

89.2054, 89.8326, 102.2603

Trichromacy



Original Color

81.4515, 90.0738, 51.1232

Protanomaly

83.1051, 89.7671, 62.8159

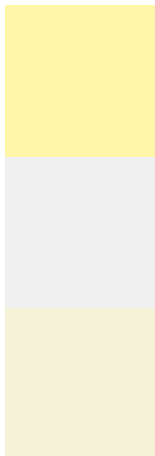
Deuteranomaly

84.6758, 89.9153, 72.5670

Tritanomaly

85.9104, 89.9316, 80.5407

Monochromacy



Original Color

81.4515, 90.0738, 51.1232

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.6741, 87.8230, 76.9368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4515, 90.0738, 51.1232 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 170) }
```

Border

The CSS property to change the border of an element to XYZ 81.4515, 90.0738, 51.1232 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, 170) }
```


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

```
.border{ border-color:rgb(255, 246, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4515, 90.0738, 51.1232 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, 170) }
```

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

```
.background{ background-color: rgb(255,  
246, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor