

Converting Colors

XYZ(136.0228, 118.3425,
54.2525)

Have a look what the booklet for
XYZ(136.0228, 118.3425, 54.2525)
contains.

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Color

**XYZ(81.5465, 90.1118,
51.6234)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6AB
RGB	255, 246, 171
RGB Percent	100%, 96%, 67%
CMY	0.0000, 0.0353, 0.3294
CMYK	0.00, 0.04, 0.33, 0.00
HSL	54°, 100%, 84%
HSV	54°, 33%, 100%
XYZ	81.5465, 90.1118, 51.6234
YIQ	240.1410, 29.4390, -21.4170

Conversions

Conversions Part 2

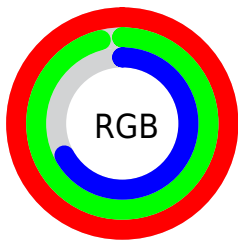
Format	Color
RYB	181, 255, 171
Decimal	16774827
CIELab	96.04, -7.84, 37.23
CIELCh	96, 38.041, 101.888
Yxy	90.1118, 0.3652, 0.4036
Android (android.graphics.Color)	4294964907 (0xFFFFF6AB)
YUV	240.1410, -34.0865, 13.0313
Hunter-Lab	94.9272, -12.7836, 34.2059

Details

The XYZ color **81.5465, 90.1118, 51.6234** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **51.1655, 48.5191, 101.2761**, and the grayscale version is **83.1792, 87.5110, 95.2995**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **44.7094, 50.0052, 24.4351** is the 20% darker color. If you saturate the color by 10%, you get **78.5230, 87.5865, 39.7589**, and if you desaturate by 10%, it is **85.0555, 92.8572, 65.9652**.

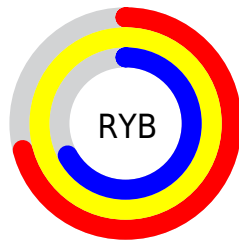
Distribution



Red (100%)

Green (96%)

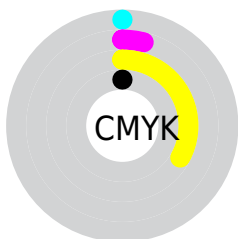
Blue (67%)



Red (71%)

Yellow (100%)

Blue (67%)

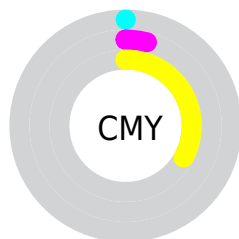


Cyan (0%)

Magenta (4%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.5465, 90.1118, 51.6234 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 81.5465, 90.1118, 51.6234 by changing the saturation by 10% instead.


 81.5465, 90.1118,
51.6234

 81.5465, 90.1118,
51.6234


488.7870,
528.3945, 409.8965

 61.3046, 68.0734,
36.3248


 134.4770,
147.4937, 93.9965

 44.7245, 49.9574,
24.3935


167.8963,
183.6059, 121.9081

 31.4409, 35.3796,
15.4109

206.4389,
225.1782, 154.8611

 21.0883, 23.9554,
8.9584

250.4700,
272.5950, 193.2741

 13.3014, 15.3005,
4.6176

300.3550,
326.2406, 237.5656

 7.7148, 9.0306,
1.9699

356.4593,

 3.9633, 4.7611,

386.4994, 288.1542

0.5367

419.1481,
453.7559, 345.4583

■ 1.6814, 2.1078,
0.0000

■ 0.4446, 0.6690,
0.0000

■ 81.5465, 90.1118,
51.6234

■ 81.5465, 90.1118,
51.6234

■ 78.5230, 87.5865,
39.7589

■ 85.0555, 92.8572,
65.9652

■ 75.9514, 85.2582,
30.2235

■ 89.0684, 95.8205,
82.9097

■ 73.8039, 83.1190,
22.8619

■ 93.6106, 99.0153,
102.5807

■ 72.0470, 81.1553,
17.4979

95.0500, 100.0000,
108.9000

■ 70.6420, 79.3515,
13.9273

■ 69.5417, 77.6888,
11.9026

■ 68.9002, 76.5805,
11.1501

Harmonies

Analogous

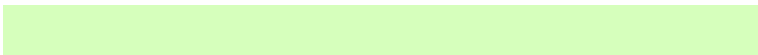
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.0958, 90.1118, 52.6923



81.5465, 90.1118, 51.6234



72.8334, 90.1118, 60.9817

Triad

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



81.5465, 90.1118, 51.6234



71.4476, 90.1118, 142.1295



106.3613, 90.1118, 117.2617

Complementary

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



81.5465, 90.1118, 51.6234



51.1655, 48.5191, 101.2761

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.



99.8852, 90.1118, 147.9031



81.5465, 90.1118, 51.6234



79.5095, 90.1118, 164.1634

Square

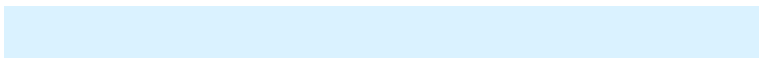
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5465, 90.1118, 51.6234



67.3306, 90.1118, 110.5481



89.8859, 90.1118, 166.4698



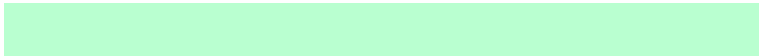
107.0198, 90.1118, 86.6536

Rectangle

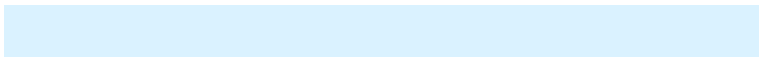
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5465, 90.1118, 51.6234



69.0083, 90.1118, 73.2598



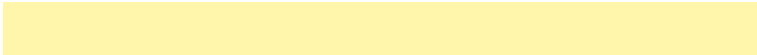
89.8859, 90.1118, 166.4698



104.7694, 90.1118, 128.0416

Sweetspot

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



81.5486, 90.1158, 51.6253



90.3480, 96.7355, 88.4053



64.1235, 53.7148, 50.5980



19.2060, 20.6112, 18.3538



0.0000, 0.0000, 0.0000



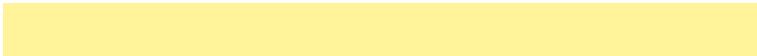
20.3446, 21.4041, 23.3091

Same Dimension

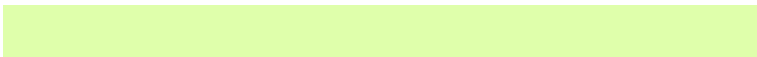
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5486, 90.1158, 51.6253



79.3642, 88.3088, 42.9994



73.4810, 90.1167, 52.0507



19.3853, 20.7388, 19.1256



36.0689, 40.1490, 5.8485



3.5575, 4.0004, 0.5847

Inverse Universe

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



51.1655, 48.5191, 101.2761



44.4482, 40.5150, 100.0852



57.2969, 49.0715, 101.0596



17.1595, 17.6906, 22.7602



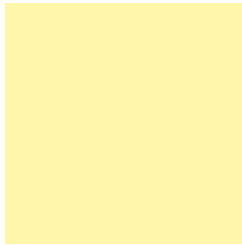
9.6902, 4.2899, 49.7519



0.9924, 0.5155, 4.8605

Previews

White Background



This preview shows how the XYZ color 81.5465, 90.1118, 51.6234 looks on a white background.

Color Contrast Check

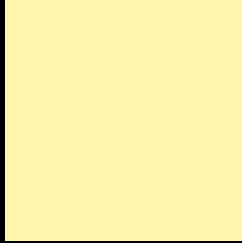
Large Text (above 18pt) WCAG AA × Fail

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 81.5465, 90.1118, 51.6234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

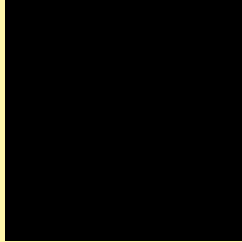
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.5465, 90.1118, 51.6234

Background



This preview shows how black text looks on a background with the XYZ color 81.5465, 90.1118, 51.6234.



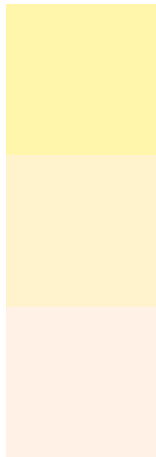
This preview shows how white text looks on a background with the XYZ color 81.5465, 90.1118,

51.6234.

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

81.5465, 90.1118, 51.6234

Protanopia

84.3100, 89.7690, 70.6411

Deuteranopia

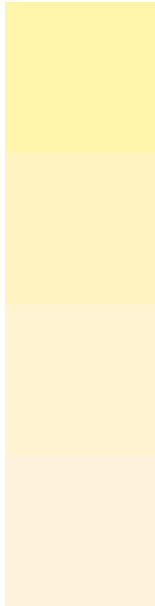
86.9782, 89.8838, 87.6280



Tritanopia

89.2054, 89.8326, 102.2603

Trichromacy



Original Color

81.5465, 90.1118, 51.6234

Protanomaly

83.2163, 89.8116, 63.4015

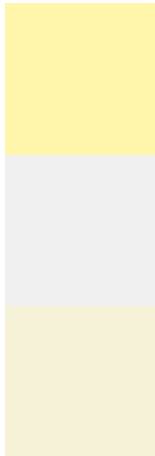
Deuteranomaly

84.7992, 89.9646, 73.2171

Tritanomaly

86.0433, 89.9847, 81.2404

Monochromacy



Original Color

81.5465, 90.1118, 51.6234

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 81.5465, 90.1118, 51.6234 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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, 246, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 171) }
```

Border

The CSS property to change the border of an element to XYZ 81.5465, 90.1118, 51.6234 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, 171) }
```


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

```
.border{ border-color:rgb(255, 246, 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, 246, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 246, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 246, 171); box-shadow:4px 4px 4px 4px rgb(255, 246, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5465, 90.1118, 51.6234 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, 171) }
```

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

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