

Converting Colors

XYZ(96.1972, 100.0000,
38.2194)

Have a look what the booklet for
XYZ(96.1972, 100.0000, 38.2194)
contains.

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Color

**XYZ(80.0131, 91.4662,
37.4824)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFA8A
RGB	255, 250, 138
RGB Percent	100%, 98%, 54%
CMY	0.0000, 0.0196, 0.4588
CMYK	0.00, 0.02, 0.46, 0.00
HSL	57°, 100%, 77%
HSV	57°, 46%, 100%
XYZ	80.0131, 91.4662, 37.4824
YIQ	238.7270, 38.9320, -33.7720

Conversions

Conversions Part 2

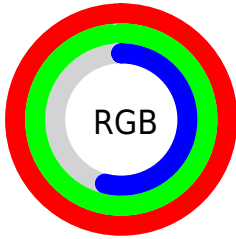
Format	Color
RYB	143, 255, 138
Decimal	16775818
CIELab	96.60, -13.24, 53.97
CIELCh	97, 55.572, 103.784
Yxy	91.4662, 0.3829, 0.4377
Android (android.graphics.Color)	4294965898 (0xFFFFFA8A)
YUV	238.7270, -49.6584, 14.2714
Hunter-Lab	95.6380, -18.0289, 43.7097

Details

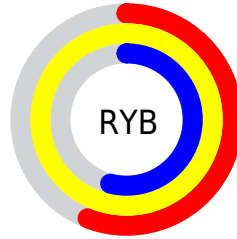
The XYZ color **80.0131, 91.4662, 37.4824** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.3537, 32.2674, 98.8144**, and the grayscale version is **82.1866, 86.4666, 94.1622**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **43.6964, 50.9752, 16.1305** is the 20% darker color. If you saturate the color by 10%, you get **78.0431, 90.1420, 28.7624**, and if you desaturate by 10%, it is **82.4229, 92.9761, 48.4893**.

Distribution



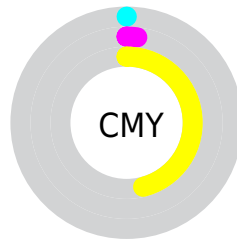
- Red (100%)
- Green (98%)
- Blue (54%)



- Red (56%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (2%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0131, 91.4662, 37.4824 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 80.0131, 91.4662, 37.4824 by changing the saturation by 10% instead.


 80.0131, 91.4662,
37.4824


 80.0131, 91.4662,
37.4824


483.7128,
532.7889, 350.6257


 60.0376, 69.1973,
25.2825


 132.3346,
149.3733, 72.5087

 43.6985, 50.8724,
16.0667


 165.4113,
185.7804, 96.1722

 30.6305, 36.1071,
9.4165


 203.5858,
227.6690, 124.4939

 20.4681, 24.5169,
4.9133

247.2235,
275.4236, 157.8925

 12.8460, 15.7175,
2.1387

296.6897,
329.4284, 196.7864

 7.3988, 9.3245,
0.6386

352.3497,

 3.7613, 4.9534,

390.0680, 241.5942

0.0000

414.5690,
457.7267, 292.7345

■ 1.5680, 2.2200,
0.0000

■ 0.3714, 0.7308,
0.0000

■ 80.0131, 91.4662,
37.4824

■ 80.0131, 91.4662,
37.4824

■ 78.0431, 90.1420,
28.7624

■ 82.4229, 92.9761,
48.4893

■ 76.4756, 88.9785,
22.1614

■ 85.2936, 94.6702,
61.9237

■ 75.2777, 87.9660,
17.4979

■ 88.6530, 96.5629,
77.9218

■ 74.4089, 87.0883,
14.5573

■ 92.5247, 98.6637,
96.6080

■ 73.8185, 86.3250, 95.0500, 100.0000,
13.0735 108.9000

■ 73.6258, 86.0317,
12.7253

Harmonies

Analogous

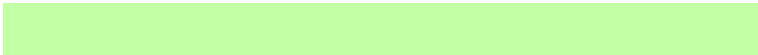
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.5445, 91.4662, 37.9742



80.0131, 91.4662, 37.4824



67.8668, 91.4662, 49.7285

Triad

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



80.0131, 91.4662, 37.4824



67.1099, 91.4662, 171.2631



118.8781, 91.4662, 125.4339

Complementary

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



80.0131, 91.4662, 37.4824



38.3537, 32.2674, 98.8144

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.



109.2791, 91.4662, 174.9731



80.0131, 91.4662, 37.4824



78.8605, 91.4662, 206.3512

Square

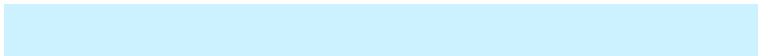
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0131, 91.4662, 37.4824



61.0393, 91.4662, 121.3897



94.2469, 91.4662, 207.8816



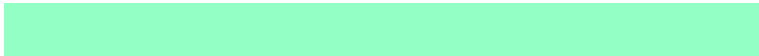
119.2826, 91.4662, 80.5721

Rectangle

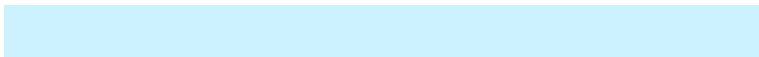
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0131, 91.4662, 37.4824



62.8032, 91.4662, 66.3871



94.2469, 91.4662, 207.8816



116.5724, 91.4662, 142.3498

Sweetspot

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



80.0153, 91.4704, 37.4843



89.3416, 96.9420, 81.2280



55.3517, 41.4470, 31.4094



18.9541, 20.6567, 16.5762



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

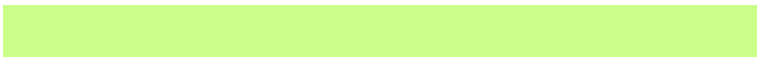
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0153, 91.4704, 37.4843



78.2003, 90.2523, 29.4432



64.8000, 85.9606, 37.2227



19.4909, 20.9499, 19.1608



38.5004, 45.0120, 6.6590



3.7684, 4.4222, 0.6550

Inverse Universe

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



38.3537, 32.2674, 98.8144



31.8927, 24.4585, 97.6478



48.5373, 36.4292, 99.0810



17.0652, 17.5020, 22.7287



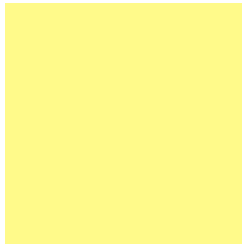
9.5201, 3.9498, 49.6952



0.9478, 0.4264, 4.8456

Previews

White Background



This preview shows how the XYZ color 80.0131, 91.4662, 37.4824 looks on a white background.

Color Contrast Check

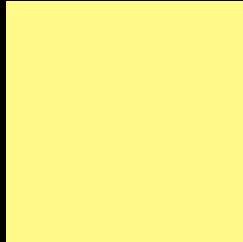
Large Text (above 18pt) WCAG AA × Fail

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 80.0131, 91.4662, 37.4824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

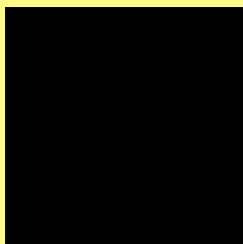
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.0131, 91.4662, 37.4824

Background



This preview shows how black text looks on a background with the XYZ color 80.0131, 91.4662, 37.4824.



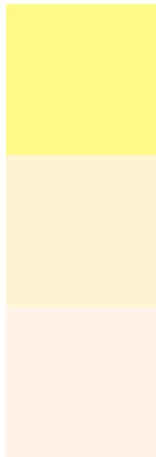
This preview shows how white text looks on a background with the XYZ color 80.0131, 91.4662,

37.4824.

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

80.0131, 91.4662, 37.4824

Protanopia

85.6503, 91.2680, 74.7302

Deuteranopia

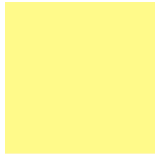
87.8561, 91.1874, 89.3143



Tritanopia

90.0910, 91.6038, 102.5555

Trichromacy



Original Color

80.0131, 91.4662, 37.4824



Protanomaly

83.1525, 91.2422, 58.5763



Deuteranomaly

84.3888, 91.2488, 66.5911



Tritanomaly

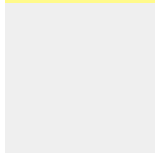
85.4010, 91.1683, 73.4177

Monochromacy



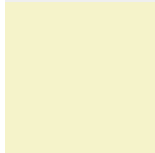
Original Color

80.0131, 91.4662, 37.4824



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.3675, 87.7779, 68.5841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0131, 91.4662, 37.4824 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, 250, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 138)  
}
```

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, 250, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 138) }
```

Border

The CSS property to change the border of an element to XYZ 80.0131, 91.4662, 37.4824 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, 250, 138) }
```


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

```
.border{ border-color:rgb(255, 250, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0131, 91.4662, 37.4824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 138) }
```

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

```
.background{ background-color: rgb(255,  
250, 138) }
```

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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