

Converting Colors

XYZ(78.6834, 90.2337, 32.6402)

Have a look what the booklet for
XYZ(78.6834, 90.2337, 32.6402)
contains.

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Color

**XYZ(78.8174, 90.4920,
32.7146)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF97D
RGB	255, 249, 125
RGB Percent	100%, 98%, 49%
CMY	0.0000, 0.0235, 0.5098
CMYK	0.00, 0.02, 0.51, 0.00
HSL	57°, 100%, 75%
HSV	57°, 51%, 100%
XYZ	78.8174, 90.4920, 32.7146
YIQ	236.6580, 43.3800, -37.2920

Conversions

Conversions Part 2

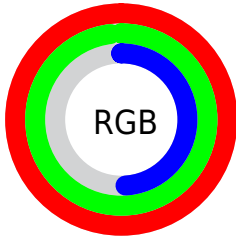
Format	Color
RYB	131, 255, 125
Decimal	16775549
CIELab	96.20, -13.88, 59.49
CIELCh	96, 61.091, 103.128
Yxy	90.4920, 0.3901, 0.4479
Android (android.graphics.Color)	4294965629 (0xFFFFF97D)
YUV	236.6580, -55.0474, 16.0859
Hunter-Lab	95.1273, -18.5772, 46.1991

Details

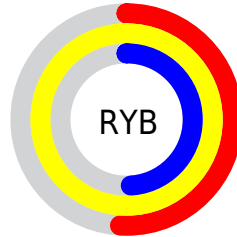
The XYZ color **78.8174, 90.4920, 32.7146** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.6238, 27.8119, 98.1510**, and the grayscale version is **80.6218, 84.8204, 92.3694**.

A 20% lighter version of the original color is **85.2382, 96.0753, 57.2319**, and **42.9722, 50.3306, 13.4111** is the 20% darker color. If you saturate the color by 10%, you get **77.0317, 89.2014, 25.0886**, and if you desaturate by 10%, it is **81.0279, 91.9628, 42.5471**.

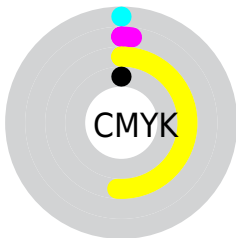
Distribution



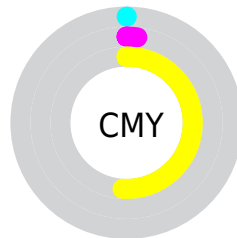
- Red (100%)
- Green (98%)
- Blue (49%)



- Red (51%)
- Yellow (100%)
- Blue (49%)



- Cyan (0%)
- Magenta (2%)
- Yellow (51%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8174, 90.4920, 32.7146 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 78.8174, 90.4920, 32.7146 by changing the saturation by 10% instead.

 78.8174, 90.4920,
32.7146

 78.8174, 90.4920,
32.7146


479.7358,
529.6300, 328.9542


 59.0508, 68.3888,
21.6386


 130.6610,
148.0216, 65.0406

 42.9005, 50.2141,
13.3958


 163.4688,
184.2168, 87.1276

 30.0013, 35.5835,
7.5677


 201.3543,
225.8781, 113.7220

 19.9876, 24.1127,
3.7358

244.6830,
273.3899, 145.2424

 12.4943, 15.4173,
1.4816

293.8201,
327.1366, 182.1073

 7.1558, 9.1128,
0.2041

349.1310,

 3.6069, 4.8148,

387.5026, 224.7352

0.0000

410.9812,
454.8722, 273.5446

■ 1.4823, 2.1390,
0.0000

■ 0.3137, 0.6864,
0.0000

■ 78.8174, 90.4920,
32.7146

■ 78.8174, 90.4920,
32.7146

■ 77.0317, 89.2014,
25.0886

■ 81.0279, 91.9628,
42.5471

■ 75.6316, 88.0654,
19.4913

■ 83.6858, 93.6129,
54.7344

■ 74.5816, 87.0730,
15.7270

■ 86.8201, 95.4571,
69.4185

■ 73.8369, 86.2064,
13.5587

■ 90.4551, 97.5053,
86.7284

■ 73.3635, 85.5070,
12.6378

94.6138, 99.7667,
106.7845

95.0499, 100.0000,
108.9000

Harmonies

Analogous

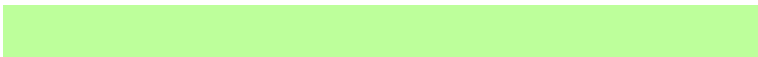
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.8212, 90.4920, 33.4774



78.8174, 90.4920, 32.7146



65.5964, 90.4920, 44.8982

Triad

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



78.8174, 90.4920, 32.7146



64.3473, 90.4920, 177.1137



121.1236, 90.4920, 128.1827

Complementary

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



78.8174, 90.4920, 32.7146



34.6238, 27.8119, 98.1510

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.



110.2719, 90.4920, 183.5670



78.8174, 90.4920, 32.7146



76.8924, 90.4920, 217.5751

Square

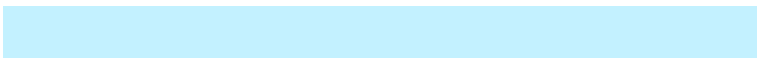
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8174, 90.4920, 32.7146



58.0122, 90.4920, 121.2888



93.6272, 90.4920, 220.2632



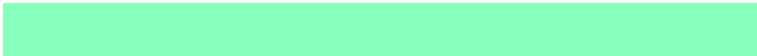
121.8175, 90.4920, 78.8134

Rectangle

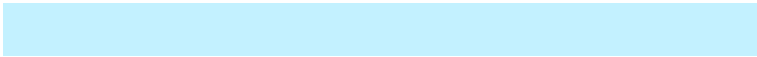
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8174, 90.4920, 32.7146



60.0884, 90.4920, 62.0732



93.6272, 90.4920, 220.2632



118.4837, 90.4920, 147.0332

Sweetspot

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



78.8196, 90.4962, 32.7165



88.9319, 96.6568, 79.4447



52.7049, 37.5804, 26.1279



18.8713, 20.5962, 16.2245



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

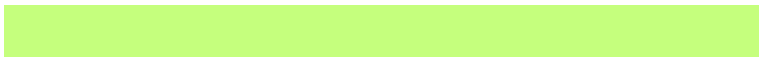
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8196, 90.4962, 32.7165



77.0285, 89.1990, 25.0748



62.3575, 84.8038, 32.4854



19.4852, 20.9386, 19.1589



38.3655, 44.7423, 6.6140



3.7568, 4.3990, 0.6511

Inverse Universe

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



34.6238, 27.8119, 98.1510



28.4632, 20.3347, 97.0326



45.0321, 32.0170, 98.4141



17.0702, 17.5119, 22.7304



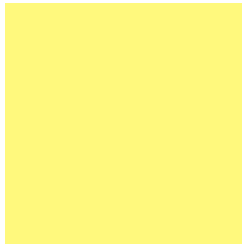
9.5272, 3.9640, 49.6976



0.9502, 0.4311, 4.8464

Previews

White Background



This preview shows how the XYZ color 78.8174, 90.4920, 32.7146 looks on a white background.

Color Contrast Check

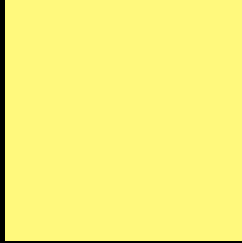
Large Text (above 18pt) WCAG AA × Fail

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 78.8174, 90.4920, 32.7146 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 78.8174, 90.4920, 32.7146

Background



This preview shows how black text looks on a background with the XYZ color 78.8174, 90.4920, 32.7146.

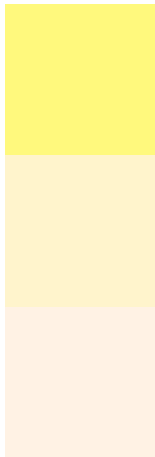


This preview shows how white text looks on a background with the XYZ color 78.8174, 90.4920,

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

78.8174, 90.4920, 32.7146

Protanopia

84.4898, 90.3210, 70.1073

Deuteranopia

86.9957, 90.3657, 86.2559



Tritanopia

89.3434, 90.3575, 101.5388

Trichromacy



Original Color

78.8174, 90.4920, 32.7146



Protanomaly

81.9336, 90.2667, 53.6623



Deuteranomaly

83.2964, 90.3264, 62.3348



Tritanomaly

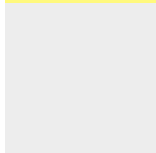
84.0701, 89.6730, 69.3776

Monochromacy



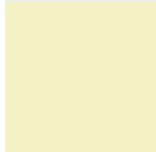
Original Color

78.8174, 90.4920, 32.7146



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.7273, 86.1292, 64.6998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8174, 90.4920, 32.7146 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, 249, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 125)  
}
```

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, 249, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 125) }
```

Border

The CSS property to change the border of an element to XYZ 78.8174, 90.4920, 32.7146 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, 249, 125) }
```


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

```
.border{ border-color:rgb(255, 249, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8174, 90.4920, 32.7146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 125) }
```

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

```
.background{ background-color: rgb(255,  
249, 125) }
```

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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