

Converting Colors

XYZ(85.3231, 93.3658, 32.6349)

Have a look what the booklet for
XYZ(85.3231, 93.3658, 32.6349)
contains.

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Color

**XYZ(78.4455, 89.8500,
32.2771)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF87C
RGB	255, 248, 124
RGB Percent	100%, 97%, 49%
CMY	0.0000, 0.0274, 0.5137
CMYK	0.00, 0.03, 0.51, 0.00
HSL	57°, 100%, 74%
HSV	57°, 51%, 100%
XYZ	78.4455, 89.8500, 32.2771
YIQ	235.9570, 43.9760, -37.0800

Conversions

Conversions Part 2

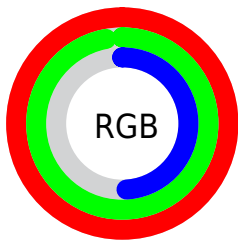
Format	Color
RYB	131, 255, 124
Decimal	16775292
CIELab	95.93, -13.47, 59.64
CIELCh	96, 61.138, 102.727
Yxy	89.8500, 0.3911, 0.4480
Android (android.graphics.Color)	4294965372 (0xFFFFF87C)
YUV	235.9570, -55.1948, 16.7007
Hunter-Lab	94.7892, -18.1585, 46.1634

Details

The XYZ color **78.4455, 89.8500, 32.2771** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.4785, 27.7370, 98.1440**, and the grayscale version is **80.0836, 84.2542, 91.7528**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **42.7201, 49.8772, 13.1700** is the 20% darker color. If you saturate the color by 10%, you get **76.6208, 88.4562, 24.7158**, and if you desaturate by 10%, it is **80.6945, 91.4250, 42.0388**.

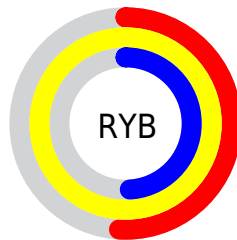
Distribution



Red (100%)

Green (97%)

Blue (49%)



Red (51%)

Yellow (100%)

Blue (49%)

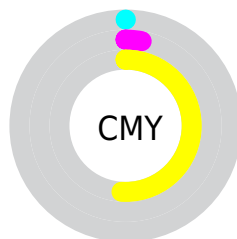


Cyan (0%)

Magenta (3%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4455, 89.8500, 32.2771 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 78.4455, 89.8500, 32.2771 by changing the saturation by 10% instead.

 78.4455, 89.8500,
32.2771


 78.4455, 89.8500,
32.2771


478.4952,
527.5428, 326.9111


 58.7441, 67.8562,
21.3067


 130.1400,
147.1300, 64.3482

 42.6527, 49.7808,
13.1549


 162.8638,
183.1851, 86.2859

 29.8061, 35.2393,
7.4033


 200.6590,
224.6960, 112.7165

 19.8388, 23.8472,
3.6334

243.8911,
272.0472, 144.0585

 12.3855, 15.2203,
1.4264

292.9255,
325.6231, 180.7304

 7.0808, 8.9742,
0.1622

348.1273,

 3.5595, 4.7243,

385.8081, 223.1508

0.0000

409.8621,
452.9865, 271.7382

■ 1.4561, 2.0864,
0.0000

■ 0.2957, 0.6570,
0.0000

■ 78.4455, 89.8500,
32.2771

■ 78.4455, 89.8500,
32.2771

■ 76.6208, 88.4562,
24.7158

■ 80.6945, 91.4250,
42.0388

■ 75.1810, 87.2179,
19.1762


■ 83.3907, 93.1805,
54.1498

■ 74.0907, 86.1242,
15.4615

■ 86.5630, 95.1313,
68.7525

■ 73.3043, 85.1569,
13.3326

■ 90.2359, 97.2873,
85.9764

 72.8098, 84.3998,
12.4533

94.4323, 99.6575,
105.9422

95.0499, 99.9999,
108.9000

Harmonies

Analogous

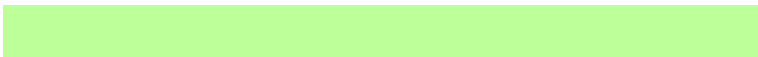
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.4067, 89.8500, 33.1972



78.4455, 89.8500, 32.2771



65.2119, 89.8500, 44.1924

Triad

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



78.4455, 89.8500, 32.2771



63.7022, 89.8500, 175.4476



120.3028, 89.8500, 128.1172

Complementary

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



78.4455, 89.8500, 32.2771



34.4785, 27.7370, 98.1440

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.



109.3753, 89.8500, 183.2595



78.4455, 89.8500, 32.2771



76.1181, 89.8500, 216.1804

Square

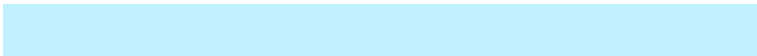
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4455, 89.8500, 32.2771



57.4855, 89.8500, 119.7770



92.7533, 89.8500, 219.4353



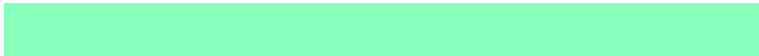
121.1424, 89.8500, 78.7447

Rectangle

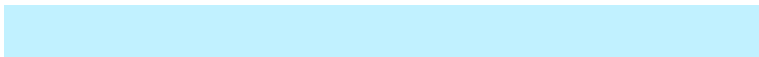
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4455, 89.8500, 32.2771



59.6720, 89.8500, 61.1117



92.7533, 89.8500, 219.4353



117.6275, 89.8500, 146.9206

Sweetspot

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



78.4476, 89.8542, 32.2790



88.8439, 96.4808, 79.4154



52.6635, 37.3623, 26.5310



18.8498, 20.5533, 16.2173



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

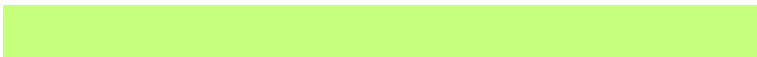
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4476, 89.8542, 32.2790



76.5194, 88.3740, 24.3097



62.7488, 85.0128, 32.1719



19.4733, 20.9147, 19.1549



38.0809, 44.1730, 6.5192



3.7322, 4.3498, 0.6429

Inverse Universe

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



34.4785, 27.7370, 98.1440



28.0554, 19.9284, 96.9756



44.2599, 31.4320, 98.3417



17.0808, 17.5332, 22.7339



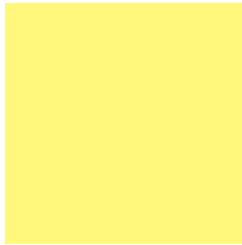
9.5423, 3.9942, 49.7026



0.9553, 0.4412, 4.8481

Previews

White Background



This preview shows how the XYZ color 78.4455, 89.8500, 32.2771 looks on a white background.

Color Contrast Check

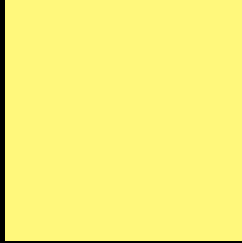
Large Text (above 18pt) WCAG AA × Fail

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 78.4455, 89.8500, 32.2771 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 78.4455, 89.8500, 32.2771

Background



This preview shows how black text looks on a background with the XYZ color 78.4455, 89.8500, 32.2771.

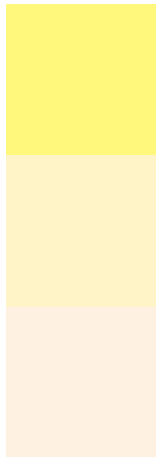


This preview shows how white text looks on a background with the XYZ color 78.4455, 89.8500,

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

78.4455, 89.8500, 32.2771

Protanopia

83.7159, 89.5313, 67.5126

Deuteranopia

86.4228, 89.6616, 84.7030



Tritanopia

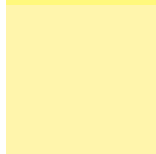
88.8950, 89.7084, 100.6259

Trichromacy



Original Color

78.4455, 89.8500, 32.2771



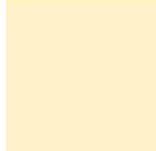
Protanomaly

81.3388, 89.5434, 52.0263



Deuteranomaly

82.7760, 89.6355, 61.0827



Tritanomaly

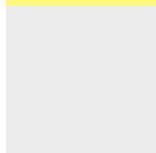
83.6528, 89.0285, 68.6524

Monochromacy



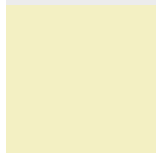
Original Color

78.4455, 89.8500, 32.2771



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.9726, 85.3150, 63.9876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4455, 89.8500, 32.2771 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, 248, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 124)  
}
```

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, 248, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 124) }
```

Border

The CSS property to change the border of an element to XYZ 78.4455, 89.8500, 32.2771 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, 248, 124) }
```


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

```
.border{ border-color:rgb(255, 248, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4455, 89.8500, 32.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 124) }
```

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

```
.background{ background-color: rgb(255,  
248, 124) }
```

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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