

Converting Colors

XYZ(70.9998, 78.6804, 32.4970)

Have a look what the booklet for
XYZ(70.9998, 78.6804, 32.4970)
contains.

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Color

**XYZ(70.9630, 78.5377,
32.5382)**

Conversions

Conversions Part 1

Format	Color
Hex	F7E782
RGB	247, 231, 130
RGB Percent	97%, 91%, 51%
CMY	0.0314, 0.0941, 0.4902
CMYK	0.00, 0.06, 0.47, 0.03
HSL	52°, 88%, 74%
HSV	52°, 47%, 97%
XYZ	70.9630, 78.5377, 32.5382
YIQ	224.2700, 41.9570, -28.0190

Conversions

Conversions Part 2

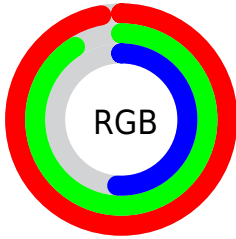
Format	Color
R_{YB}	149, 247, 130
Decimal	16246658
CIE _{Lab}	91.02, -7.72, 50.81
CIE _{LCh}	91, 51.395, 98.638
Yxy	78.5377, 0.3898, 0.4314
Android (android.graphics.Color)	4294436738 (0xFF7E782)
YUV	224.2700, -46.4751, 19.9342
Hunter-Lab	88.6215, -12.1551, 40.2662

Details

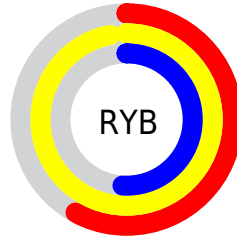
The XYZ color **70.9630, 78.5377, 32.5382** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.2731, 32.0180, 92.2639**, and the grayscale version is **71.3475, 75.0631, 81.7438**.

A 20% lighter version of the original color is **85.7570, 96.2828, 59.9635**, and **37.8867, 42.4195, 13.3987** is the 20% darker color. If you saturate the color by 10%, you get **68.5648, 76.0837, 24.5182**, and if you desaturate by 10%, it is **73.7811, 81.1946, 42.6631**.

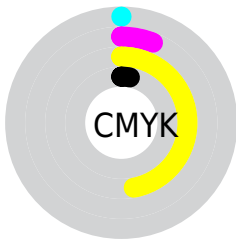
Distribution



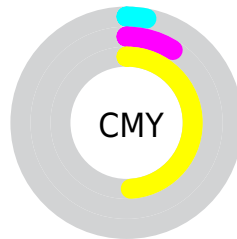
- Red (97%)
- Green (91%)
- Blue (51%)



- Red (58%)
- Yellow (97%)
- Blue (51%)



- Cyan (0%)
- Magenta (6%)
- Yellow (47%)
- Black (3%)





- Cyan (3%)
- Magenta (9%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9630, 78.5377, 32.5382 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 70.9630, 78.5377, 32.5382 by changing the saturation by 10% instead.


 70.9630, 78.5377,
32.5382

 70.9630, 78.5377,
32.5382


453.1379,
489.9910, 328.1316


 52.5944, 58.5158,
21.5047


 119.5998,
131.3078, 64.7615

 37.7053, 42.2235,
13.2986


 150.5988,
164.8248, 86.7885

 25.9302, 29.2763,
7.5013


 186.5386,
203.6090, 113.3170

 16.9038, 19.2899,
3.6944

227.7847,
248.0447, 144.7655

 10.2608, 11.8800,
1.4592

274.7023,
298.5164, 181.5528

 5.6358, 6.6620,
0.1873

327.6568,

 2.6635, 3.2516,

355.4084, 224.0972

0.0000

387.0135,
419.1051, 272.8173

■ 0.9784, 1.2645,
0.0000

■ 0.0000, 0.1134,
0.0000

■ 70.9630, 78.5377,
32.5382

■ 70.9630, 78.5377,
32.5382

■ 68.5648, 76.0837,
24.5182

■ 73.7811, 81.1946,
42.6631

■ 66.5519, 73.8099,
18.4458


■ 77.0398, 84.0542,
55.0254


■ 64.8932, 71.7067,
14.1495


■ 80.7647, 87.1298,
69.7523

■ 63.5498, 69.7583,
11.4256


■ 84.9781, 90.4304,
86.9604


 62.4713, 67.9443,
10.0087

 89.7008, 93.9645,
106.7582

 62.2112, 67.4810,
9.7463

 90.9879, 96.1544,
108.3718

 92.0536, 98.2858,
108.7271

 92.1677, 98.5141,
108.7651

Harmonies

Analogous

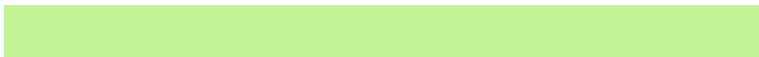
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1098, 78.5377, 34.7382



70.9630, 78.5377, 32.5382



60.1279, 78.5377, 40.9631

Triad

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



70.9630, 78.5377, 32.5382



56.8061, 78.5377, 138.3382



100.3773, 78.5377, 114.2722

Complementary

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



70.9630, 78.5377, 32.5382



36.2731, 32.0180, 92.2639

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.



91.3349, 78.5377, 154.3506



70.9630, 78.5377, 32.5382



65.9233, 78.5377, 170.8121

Square

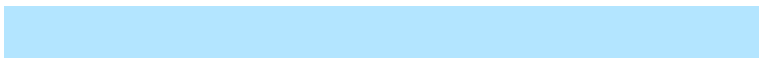
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9630, 78.5377, 32.5382



52.5983, 78.5377, 96.7007



78.4578, 78.5377, 177.3958



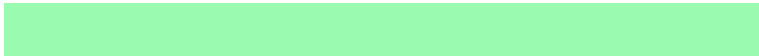
102.1310, 78.5377, 75.2255

Rectangle

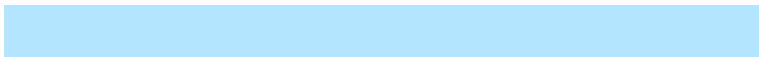
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9630, 78.5377, 32.5382



55.3059, 78.5377, 53.4565



78.4578, 78.5377, 177.3958



98.0430, 78.5377, 128.3533

Sweetspot

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



70.9649, 78.5413, 32.5398



88.2886, 94.8360, 80.8770



51.6507, 37.8641, 32.4178



18.6946, 20.1378, 16.4897



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

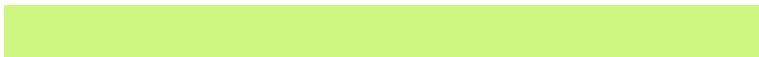
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9649, 78.5413, 32.5398



73.7812, 81.8697, 26.5659



62.7579, 81.2623, 33.4976



17.7102, 18.9045, 17.5131



32.9793, 35.8441, 5.1804



2.9508, 3.2548, 0.4727

Inverse Universe

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



36.2731, 32.0180, 92.2639



32.3558, 26.3503, 97.9885



41.5556, 31.3339, 91.8534



15.7638, 16.2919, 20.8564



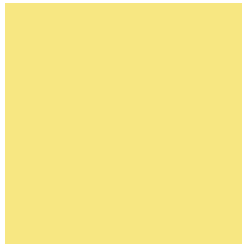
9.2361, 4.2661, 46.8747



0.8674, 0.4862, 4.1384

Previews

White Background



This preview shows how the XYZ color 70.9630, 78.5377, 32.5382 looks on a white background.

Color Contrast Check

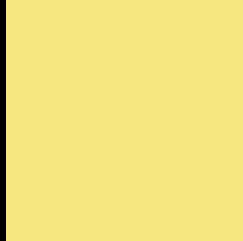
Large Text (above 18pt) WCAG AA × Fail

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 70.9630, 78.5377, 32.5382 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 70.9630, 78.5377, 32.5382

Background



This preview shows how black text looks on a background with the XYZ color 70.9630, 78.5377, 32.5382.

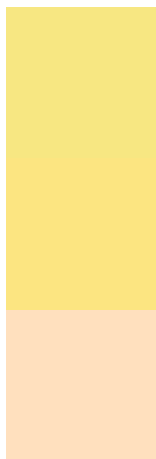


This preview shows how white text looks on a background with the XYZ color 70.9630, 78.5377,

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

70.9630, 78.5377, 32.5382

Protanopia

72.1266, 78.3190, 32.0845

Deuteranopia

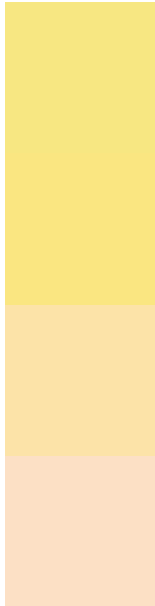
77.1899, 78.2890, 59.7581



Tritanopia

81.8286, 78.4446, 89.4257

Trichromacy



Original Color

70.9630, 78.5377, 32.5382

Protanomaly

71.6836, 78.5026, 32.1433

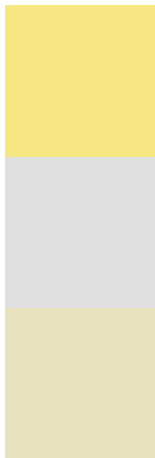
Deuteranomaly

74.6819, 78.4608, 48.2541

Tritanomaly

76.8786, 78.0380, 63.8342

Monochromacy



Original Color

70.9630, 78.5377, 32.5382

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.0421, 75.8117, 59.6567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9630, 78.5377, 32.5382 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(247, 231, 130)` looks like.

```
.text, #text, p{  
    color:rgb(247, 231, 130)  
}
```

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(247, 231, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 231, 130) }
```

Border

The CSS property to change the border of an element to XYZ 70.9630, 78.5377, 32.5382 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(247, 231, 130) }
```


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

```
.border{ border-color:rgb(247, 231, 130) }
```

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

Here you see how a box with a 4 pixel rgb(247, 231, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 231, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 231, 130);  
box-shadow:4px 4px 4px 4px rgb(247, 231,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9630, 78.5377, 32.5382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 231, 130) }
```

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

```
.background{ background-color: rgb(247,  
231, 130) }
```

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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