

Converting Colors

XYZ(69.5982, 77.1811, 54.6845)

Have a look what the booklet for
XYZ(69.5982, 77.1811, 54.6845)
contains.

XYZ(69.8714, 77.4769, 54.9880)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.8714, 77.4769,
54.9880)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E7B5
RGB	231, 231, 181
RGB Percent	91%, 91%, 71%
CMY	0.0941, 0.0941, 0.2902
CMYK	0.00, 0.00, 0.22, 0.09
HSL	60°, 51%, 81%
HSV	60°, 22%, 91%
XYZ	69.8714, 77.4769, 54.9880
YIQ	225.3000, 16.0500, -15.5500

Conversions

Conversions Part 2

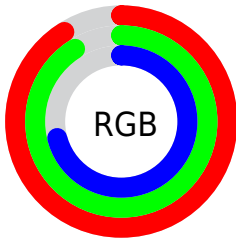
Format	Color
R_{YB}	181, 231, 181
Decimal	15198133
CIE _{Lab}	90.54, -7.97, 24.42
CIE _{LCh}	91, 25.689, 108.075
Yxy	77.4769, 0.3453, 0.3829
Android (android.graphics.Color)	4293388213 (0xFFE7E7B5)
YUV	225.3000, -21.8399, 4.9989
Hunter-Lab	88.0210, -12.3427, 24.5753

Details

The XYZ color **69.8714, 77.4769, 54.9880** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.0066, 48.6431, 82.3590**, and the grayscale version is **71.9297, 75.6757, 82.4108**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **37.1008, 41.7231, 26.5200** is the 20% darker color. If you saturate the color by 10%, you get **67.6950, 76.6089, 43.5224**, and if you desaturate by 10%, it is **72.4449, 78.5090, 68.5268**.

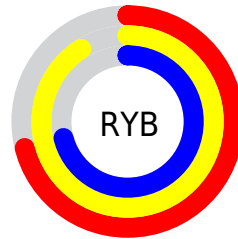
Distribution



Red (91%)

Green (91%)

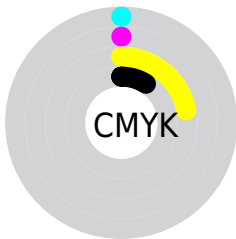
Blue (71%)



Red (71%)

Yellow (91%)

Blue (71%)

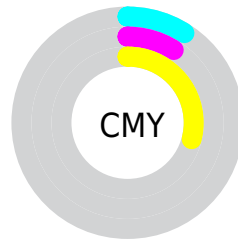


Cyan (0%)

Magenta (0%)

Yellow (22%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8714, 77.4769, 54.9880 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 69.8714, 77.4769, 54.9880 by changing the saturation by 10% instead.

69.8714, 77.4769,
54.9880

69.8714, 77.4769,
54.9880

449.3718,
486.3885, 423.1471

51.7009, 57.6444,
38.9936

118.0526,
129.8125, 98.9943

36.9900, 41.5228,
26.4469

148.7941,
163.0843, 127.8434

25.3734, 28.7278,
16.9295

184.4565,
201.6046, 161.8143

16.4857, 18.8750,
10.0228

225.4054,
245.7579, 201.3257

9.9615, 11.5800,
5.3083

272.0060,
295.9286, 246.7962

5.4355, 6.4584,
2.3674

324.6237,

2.5424, 3.1258,

352.5010, 298.6442

0.7686

383.6238,
415.8595, 357.2883

■ 0.9167, 1.1977,
0.0000

■ 0.0000, 0.0599,
0.0000

■ 69.8714, 77.4769,
54.9880

■ 69.8714, 77.4769,
54.9880

■ 67.6950, 76.6089,
43.5224

■ 72.4449, 78.5090,
68.5268

■ 65.8903, 75.8869,
34.0231

■ 75.4274, 79.7021,
84.2288

■ 64.4384, 75.3061,
26.3812

■ 78.8380, 81.0665,
102.1846

■ 63.3161, 74.8571,
20.4751

■ 79.5858, 81.3656,
106.1183

62.4976, 74.5296,
16.1689

79.5865, 81.3660,
106.1183

61.9532, 74.3117,
13.3064

79.5873, 81.3664,
106.1183

61.6475, 74.1893,
11.7003

79.5881, 81.3668,
106.1184

61.5267, 74.1410,
11.0678

79.5888, 81.3672,
106.1184

79.5896, 81.3676,
106.1184

Harmonies

Analogous

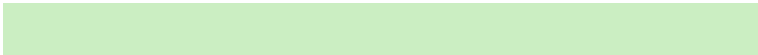
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2227, 77.4769, 54.2525



69.8714, 77.4769, 54.9880



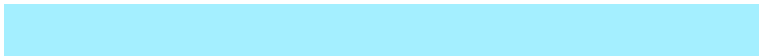
64.8222, 77.4769, 62.8521

Triad

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



69.8714, 77.4769, 54.9880



65.6871, 77.4769, 113.5270



86.4047, 77.4769, 91.8858

Complementary

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



69.8714, 77.4769, 54.9880



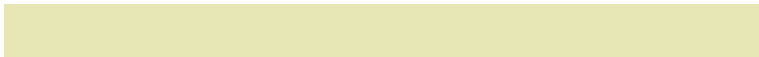
50.0066, 48.6431, 82.3590

Split Complementary

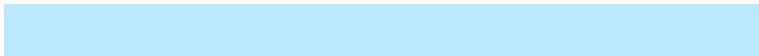
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2221, 77.4769, 110.2856



69.8714, 77.4769, 54.9880



71.1153, 77.4769, 123.9425

Square

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



69.8714, 77.4769, 54.9880



62.5049, 77.4769, 95.8235



77.5406, 77.4769, 122.6767



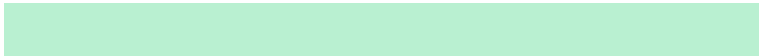
86.0236, 77.4769, 73.8478

Rectangle

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



69.8714, 77.4769, 54.9880



62.7598, 77.4769, 71.8218



77.5406, 77.4769, 122.6767



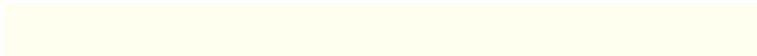
85.7090, 77.4769, 98.2767

Sweetspot

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



69.8734, 77.4804, 54.9896



92.6831, 99.0532, 96.4389



57.8218, 53.3747, 50.9720



19.7853, 21.1804, 20.3647



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.



69.8734, 77.4804, 54.9896



86.1503, 96.4398, 62.0477



62.3729, 73.6137, 54.6386



15.6015, 16.8172, 15.3282



34.4909, 41.5622, 6.2044



2.5488, 3.0713, 0.4585

Inverse Universe

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



50.0066, 48.6431, 82.3590



57.0967, 54.2676, 102.0731



56.4036, 51.9408, 82.6583



13.5830, 13.8873, 18.1089



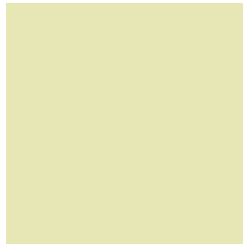
8.0864, 3.2346, 42.5813



0.5976, 0.2391, 3.1466

Previews

White Background



This preview shows how the XYZ color 69.8714, 77.4769, 54.9880 looks on a white background.

Color Contrast Check

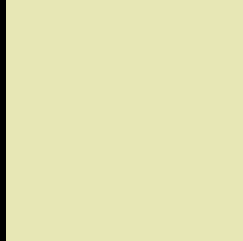
Large Text (above 18pt) WCAG AA × Fail

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 69.8714, 77.4769, 54.9880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

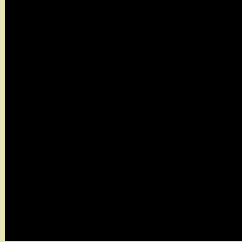
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

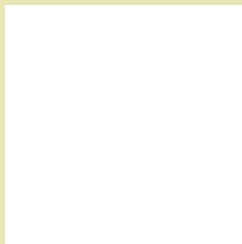
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8714, 77.4769, 54.9880

Background



This preview shows how black text looks on a background with the XYZ color 69.8714, 77.4769, 54.9880.

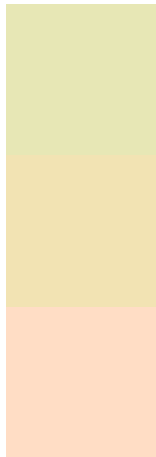


This preview shows how white text looks on a background with the XYZ color 69.8714, 77.4769, 54.9880.

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

69.8714, 77.4769, 54.9880

Protanopia

72.2237, 77.0701, 53.7172

Deuteranopia

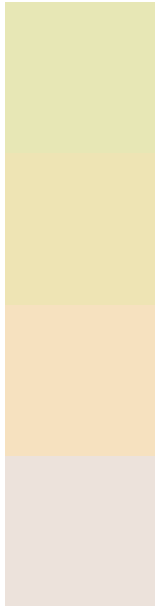
77.1745, 77.0041, 63.6191



Tritanopia

77.7125, 77.4173, 93.2852

Trichromacy



Original Color

69.8714, 77.4769, 54.9880

Protanomaly

71.2415, 76.9592, 54.2798

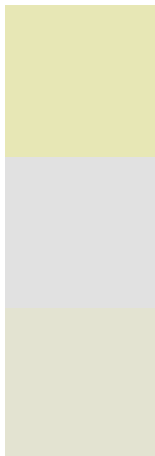
Deuteranomaly

74.3352, 77.2048, 60.2744

Tritanomaly

74.5746, 77.3401, 78.0155

Monochromacy



Original Color

69.8714, 77.4769, 54.9880

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.6563, 75.8725, 71.2425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8714, 77.4769, 54.9880 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(231, 231, 181)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 181)  
}
```

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(231, 231, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 181) }
```

Border

The CSS property to change the border of an element to XYZ 69.8714, 77.4769, 54.9880 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(231, 231, 181) }
```


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

```
.border{ border-color:rgb(231, 231, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 231, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 181);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8714, 77.4769, 54.9880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 181) }
```

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

```
.background{ background-color: rgb(231,  
231, 181) }
```

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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