

Converting Colors

XYZ(100.0759, 100.0000,
37.7871)

Have a look what the booklet for
XYZ(100.0759, 100.0000, 37.7871)
contains.

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Color

**XYZ(78.7111, 88.9777,
36.6928)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF689
RGB	255, 246, 137
RGB Percent	100%, 96%, 54%
CMY	0.0000, 0.0353, 0.4627
CMYK	0.00, 0.04, 0.46, 0.00
HSL	55°, 100%, 77%
HSV	55°, 46%, 100%
XYZ	78.7111, 88.9777, 36.6928
YIQ	236.2650, 40.3530, -31.9910

Conversions

Conversions Part 2

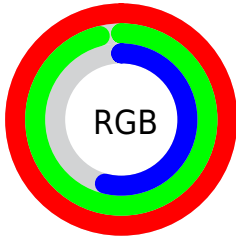
Format	Color
R_{YB}	147, 255, 137
Decimal	16774793
CIE _{Lab}	95.57, -11.37, 53.19
CIE _{LCh}	96, 54.389, 102.071
Yxy	88.9777, 0.3851, 0.4354
Android (android.graphics.Color)	4294964873 (0xFFFFFFFF689)
YUV	236.2650, -48.9376, 16.4306
Hunter-Lab	94.3280, -16.1263, 42.9663

Details

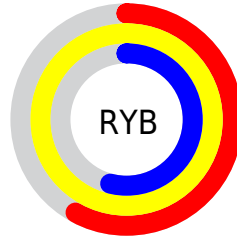
The XYZ color **78.7111, 88.9777, 36.6928** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.6452, 33.0951, 98.9586**, and the grayscale version is **80.2755, 84.4561, 91.9727**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **42.7786, 49.2028, 15.6299** is the 20% darker color. If you saturate the color by 10%, you get **76.5066, 87.1582, 27.9755**, and if you desaturate by 10%, it is **81.3583, 90.9907, 47.6922**.

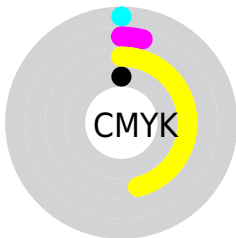
Distribution



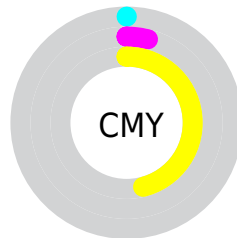
- Red (100%)
- Green (96%)
- Blue (54%)



- Red (58%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (4%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.7111, 88.9777, 36.6928 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 78.7111, 88.9777, 36.6928 by changing the saturation by 10% instead.


 78.7111, 88.9777,
36.6928


 78.7111, 88.9777,
36.6928


479.3814,
524.6997, 347.1072


 58.9631, 67.1331,
24.6758


 130.5121,
145.9176, 71.2811

 42.8297, 49.1928,
15.6189


 163.2959,
181.7816, 94.6895

 29.9454, 34.7724,
9.1034

 201.1557,
223.0875, 122.7321

 19.9451, 23.4876,
4.7110

244.4567,
270.2197, 155.8274

 12.4631, 14.9540,
2.0229

293.5645,
323.5627, 194.3941

 7.1344, 8.7871,
0.5693

348.8443,

 3.5933, 4.6026,

383.5007, 238.8505

0.0000

410.6615,
450.4183, 289.6154

■ 1.4748, 2.0160,
0.0000

■ 0.3086, 0.6168,
0.0000

■ 78.7111, 88.9777,
36.6928

■ 78.7111, 88.9777,
36.6928

■ 76.5066, 87.1582,
27.9755

■ 81.3583, 90.9907,
47.6922

■ 74.7075, 85.5075,
21.3719

■ 84.4698, 93.1960,
61.1152

■ 73.2809, 84.0157,
16.6994

■ 88.0733, 95.6081,
77.0983

■ 72.1857, 82.6662,
13.7419

■ 92.1924, 98.2364,
95.7661

■ 71.3708, 81.4386, 95.0499, 99.9999,
12.2305 108.9000

■ 71.1103, 81.0009,
11.8868

Harmonies

Analogous

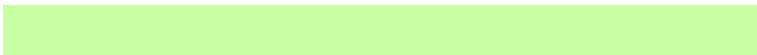
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7149, 88.9777, 37.8426



78.7111, 88.9777, 36.6928



66.7647, 88.9777, 47.7878

Triad

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



78.7111, 88.9777, 36.6928



65.0090, 88.9777, 163.0336



114.9137, 88.9777, 124.4449

Complementary

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



78.7111, 88.9777, 36.6928



38.6452, 33.0951, 98.9586

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.



105.2904, 88.9777, 171.5814



78.7111, 88.9777, 36.6928



76.0414, 88.9777, 197.9855

Square

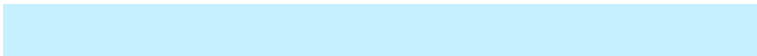
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7111, 88.9777, 36.6928



59.5002, 88.9777, 115.1021



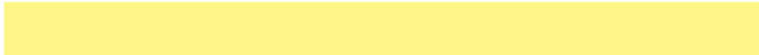
90.7140, 88.9777, 201.5070



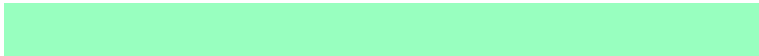
115.8474, 88.9777, 80.6931

Rectangle

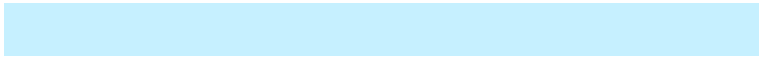
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7111, 88.9777, 36.6928



61.6679, 88.9777, 63.2638



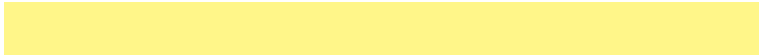
90.7140, 88.9777, 201.5070



112.5397, 88.9777, 140.6938

Sweetspot

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



78.7133, 88.9818, 36.6946



88.9639, 96.1866, 81.1021



55.4396, 41.2536, 32.5771



18.8609, 20.4704, 16.5451



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

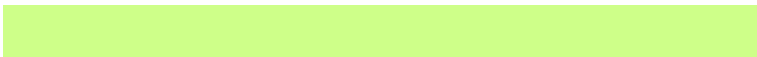
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7133, 88.9818, 36.6946



76.5616, 87.2060, 28.1849



65.6831, 86.4241, 36.8877



19.4358, 20.8397, 19.1424



37.2067, 42.4246, 6.2278



3.6565, 4.1984, 0.6177

Inverse Universe

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



38.6452, 33.0951, 98.9586



31.8509, 24.8644, 97.7283



47.2866, 35.5724, 98.9813



17.1142, 17.6000, 22.7451



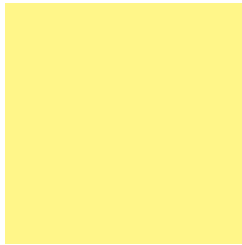
9.5964, 4.1024, 49.7206



0.9710, 0.4728, 4.8534

Previews

White Background



This preview shows how the XYZ color 78.7111, 88.9777, 36.6928 looks on a white background.

Color Contrast Check

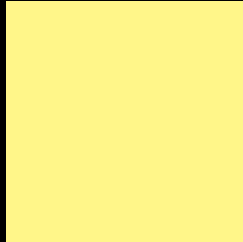
Large Text (above 18pt) WCAG AA × Fail

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 78.7111, 88.9777, 36.6928 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 78.7111, 88.9777, 36.6928

Background



This preview shows how black text looks on a background with the XYZ color 78.7111, 88.9777, 36.6928.

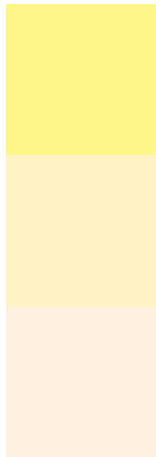


This preview shows how white text looks on a background with the XYZ color 78.7111, 88.9777,

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

78.7111, 88.9777, 36.6928

Protanopia

82.9559, 88.7498, 64.9827

Deuteranopia

85.8546, 88.9620, 83.1674



Tritanopia

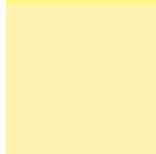
88.6030, 89.1245, 100.5285

Trichromacy



Original Color

78.7111, 88.9777, 36.6928



Protanomaly

81.0285, 88.4563, 53.3606



Deuteranomaly

82.5066, 88.5700, 62.6163



Tritanomaly

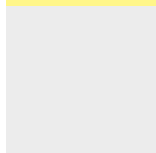
83.9578, 88.6756, 71.7225

Monochromacy



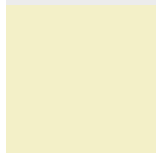
Original Color

78.7111, 88.9777, 36.6928



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

78.5476, 85.5450, 67.0155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7111, 88.9777, 36.6928 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, 246, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 137)  
}
```

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, 246, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 137) }
```

Border

The CSS property to change the border of an element to XYZ 78.7111, 88.9777, 36.6928 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, 246, 137) }
```


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

```
.border{ border-color:rgb(255, 246, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7111, 88.9777, 36.6928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 137) }
```

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

```
.background{ background-color: rgb(255,  
246, 137) }
```

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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