

Converting Colors

XYZ(81.1123, 89.3447, 33.7713)

Have a look what the booklet for
XYZ(81.1123, 89.3447, 33.7713)
contains.

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Color

**XYZ(77.5531, 87.5463,
33.5795)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF481
RGB	255, 244, 129
RGB Percent	100%, 96%, 51%
CMY	0.0000, 0.0431, 0.4941
CMYK	0.00, 0.04, 0.49, 0.00
HSL	55°, 100%, 75%
HSV	55°, 49%, 100%
XYZ	77.5531, 87.5463, 33.5795
YIQ	234.1790, 43.4710, -33.4330

Conversions

Conversions Part 2

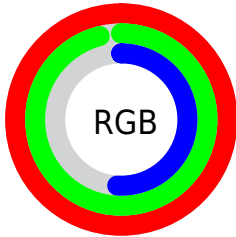
Format	Color
R_{YB}	141, 255, 129
Decimal	16774273
CIE Lab	94.97, -11.09, 56.20
CIE LCh	95, 57.287, 101.167
Yxy	87.5463, 0.3903, 0.4406
Android (android.graphics.Color)	4294964353 (0xFFFFFFFF481)
YUV	234.1790, -51.8532, 18.2600
Hunter-Lab	93.5662, -15.7896, 44.2180

Details

The XYZ color **77.5531, 87.5463, 33.5795** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.4812, 30.6424, 98.5992**, and the grayscale version is **78.7017, 82.8003, 90.1696**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **42.0527, 48.2240, 13.9292** is the 20% darker color. If you saturate the color by 10%, you get **75.4006, 85.6238, 25.5178**, and if you desaturate by 10%, it is **80.1408, 89.6623, 43.8747**.

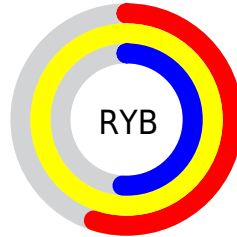
Distribution



Red (100%)

Green (96%)

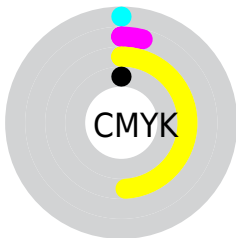
Blue (51%)



Red (55%)

Yellow (100%)

Blue (51%)

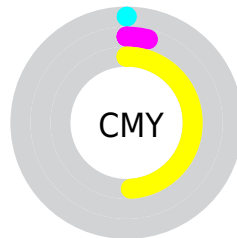


Cyan (0%)

Magenta (4%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.5531, 87.5463, 33.5795 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 77.5531, 87.5463, 33.5795 by changing the saturation by 10% instead.


 77.5531, 87.5463,
33.5795

 77.5531, 87.5463,
33.5795


475.5108,
520.0163, 332.9647


 58.0084, 65.9474,
22.2960


 128.8886,
143.9253, 66.4056

 42.0587, 48.2297,
13.8742


 161.4102,
179.4743, 88.7853

 29.3386, 34.0088,
7.8954


 198.9882,
220.4420, 115.7009

 19.4827, 22.9004,
3.9413

241.9879,
267.2129, 147.5707

 12.1256, 14.5200,
1.5932

290.7746,
320.1714, 184.8135

 6.9021, 8.4832,
0.2860

345.7138,

 3.4467, 4.4057,

379.7019, 227.8478

0.0000

407.1708,
446.1887, 277.0920

■ 1.3942, 1.9030,
0.0000

■ 0.2521, 0.5502,
0.0000

■ 77.5531, 87.5463,
33.5795

■ 77.5531, 87.5463,
33.5795

■ 75.4006, 85.6238,
25.5178

■ 80.1408, 89.6623,
43.8747

■ 73.6449, 83.8697,
19.5153

■ 83.1863, 91.9711,
56.5495

■ 72.2515, 82.2733,
15.3808

■ 86.7178, 94.4873,
71.7439

■ 71.1768, 80.8172,
12.8850

■ 90.7597, 97.2208,
89.5855

■ 70.3538, 79.4745, 95.0499, 99.9999,
11.6753 108.9000

■ 70.3084, 79.3970,
11.6195

Harmonies

Analogous

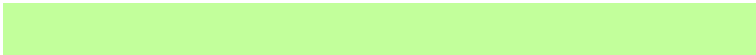
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2393, 87.5463, 35.0791



77.5531, 87.5463, 33.5795



65.0406, 87.5463, 44.3027

Triad

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



77.5531, 87.5463, 33.5795



62.6717, 87.5463, 163.5246



114.8359, 87.5463, 125.7210

Complementary

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



77.5531, 87.5463, 33.5795



36.4812, 30.6424, 98.5992

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.



104.4828, 87.5463, 175.4008



77.5531, 87.5463, 33.5795



73.9272, 87.5463, 201.4989

Square

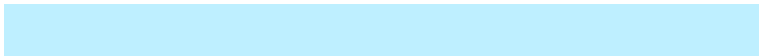
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5531, 87.5463, 33.5795



57.1901, 87.5463, 112.8862



89.1358, 87.5463, 206.4184



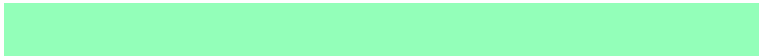
116.1231, 87.5463, 79.6831

Rectangle

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



77.5531, 87.5463, 33.5795



59.6708, 87.5463, 59.7057



89.1358, 87.5463, 206.4184



112.2454, 87.5463, 142.8655

Sweetspot

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



77.5552, 87.5504, 33.5813



88.4365, 95.6659, 79.2795



53.9432, 38.9024, 30.1009



18.7506, 20.3548, 16.1843



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

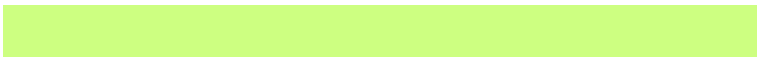
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5552, 87.5504, 33.5813



75.4812, 85.6997, 25.8071



64.7895, 86.0273, 33.9602



19.4177, 20.8036, 19.1364



36.7940, 41.5992, 6.0902



3.6207, 4.1267, 0.6057

Inverse Universe

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



36.4812, 30.6424, 98.5992



30.2634, 23.0769, 97.4670



44.5840, 32.5530, 98.5409



17.1304, 17.6324, 22.7505



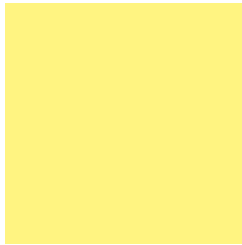
9.6271, 4.1638, 49.7309



0.9787, 0.4881, 4.8559

Previews

White Background



This preview shows how the XYZ color 77.5531, 87.5463, 33.5795 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 77.5531, 87.5463, 33.5795 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 77.5531, 87.5463, 33.5795

Background



This preview shows how black text looks on a background with the XYZ color 77.5531, 87.5463, 33.5795.

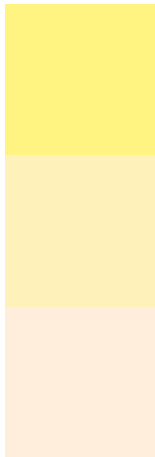


This preview shows how white text looks on a background with the XYZ color 77.5531, 87.5463,

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

77.5531, 87.5463, 33.5795

Protanopia

81.5582, 87.7158, 59.0866

Deuteranopia

84.7328, 87.5764, 80.1482



Tritanopia

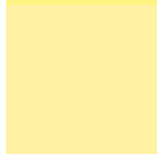
87.4298, 87.2692, 98.6228

Trichromacy



Original Color

77.5531, 87.5463, 33.5795



Protanomaly

79.7837, 87.4809, 48.2778



Deuteranomaly

81.3697, 87.1680, 59.5502



Tritanomaly

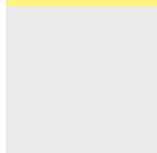
82.5940, 86.7209, 68.8855

Monochromacy



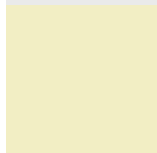
Original Color

77.5531, 87.5463, 33.5795



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

77.1563, 84.0118, 64.3739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5531, 87.5463, 33.5795 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, 244, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 129)  
}
```

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, 244, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 129) }
```

Border

The CSS property to change the border of an element to XYZ 77.5531, 87.5463, 33.5795 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, 244, 129) }
```


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

```
.border{ border-color:rgb(255, 244, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5531, 87.5463, 33.5795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 129) }
```

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

```
.background{ background-color: rgb(255,  
244, 129) }
```

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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