

Converting Colors

XYZ(115.6355, 106.5909,
34.5852)

Have a look what the booklet for
XYZ(115.6355, 106.5909, 34.5852)
contains.

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Color

**XYZ(77.1214, 86.8935,
32.7861)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF37F
RGB	255, 243, 127
RGB Percent	100%, 95%, 50%
CMY	0.0000, 0.0470, 0.5019
CMYK	0.00, 0.05, 0.50, 0.00
HSL	54°, 100%, 75%
HSV	54°, 50%, 100%
XYZ	77.1214, 86.8935, 32.7861
YIQ	233.3640, 44.3880, -33.5320

Conversions

Conversions Part 2

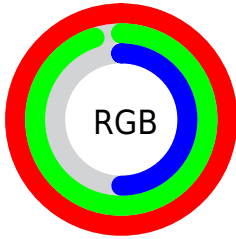
Format	Color
R _Y B	140, 255, 127
Decimal	16774015
CIE Lab	94.69, -10.77, 56.80
CIE LCh	95, 57.810, 100.738
Yxy	86.8935, 0.3919, 0.4415
Android (android.graphics.Color)	4294964095 (0xFFFFFFFF37F)
YUV	233.3640, -52.4375, 18.9748
Hunter-Lab	93.2167, -15.4499, 44.3982

Details

The XYZ color **77.1214, 86.8935, 32.7861** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.0350, 30.1965, 98.5368**, and the grayscale version is **78.0880, 82.1546, 89.4664**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **41.7713, 47.7708, 13.4977** is the 20% darker color. If you saturate the color by 10%, you get **74.9558, 84.8937, 24.8772**, and if you desaturate by 10%, it is **79.7211, 89.0882, 42.9164**.

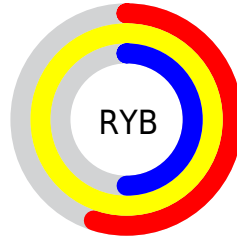
Distribution



Red (100%)

Green (95%)

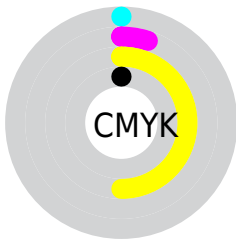
Blue (50%)



Red (55%)

Yellow (100%)

Blue (50%)

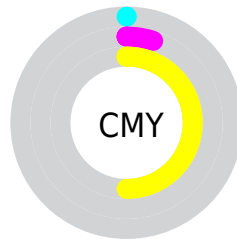


Cyan (0%)

Magenta (5%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.1214, 86.8935, 32.7861 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 77.1214, 86.8935, 32.7861 by changing the saturation by 10% instead.


 77.1214, 86.8935,
32.7861

 77.1214, 86.8935,
32.7861


474.0634,
517.8728, 329.2872


 57.6528, 65.4071,
21.6929


 128.2828,
143.0157, 65.1536

 41.7718, 47.7912,
13.4352

 160.7062,
178.4202, 87.2649

 29.1129, 33.6616,
7.5947


 198.1787,
219.2330, 113.8860

 19.3110, 22.6337,
3.7527

241.0655,
265.8382, 145.4355

 12.0005, 14.3233,
1.4907

289.7321,
318.6205, 182.3318

 6.8162, 8.3459,
0.2110

344.5436,

 3.3928, 4.3171,

377.9641, 224.9934

0.0000

405.8657,
444.2534, 273.8391

■ 1.3647, 1.8525,
0.0000

■ 0.2309, 0.5196,
0.0000

■ 77.1214, 86.8935,
32.7861

■ 77.1214, 86.8935,
32.7861

■ 74.9558, 84.8937,
24.8772

■ 79.7211, 89.0882,
42.9164

■ 73.1855, 83.0638,
19.0137

■ 82.7775, 91.4773,
55.4153

■ 71.7756, 81.3927,
15.0023

■ 86.3194, 94.0756,
70.4238

■ 70.6817, 79.8628,
12.6096

■ 90.3710, 96.8928,
88.0703

■ 69.8457, 78.4715,
11.4653

94.9551, 99.9382,
108.4743

95.0499, 100.0000,
108.9000

Harmonies

Analogous

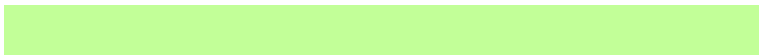
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8941, 86.8935, 34.4450



77.1214, 86.8935, 32.7861



64.5063, 86.8935, 43.2754

Triad

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



77.1214, 86.8935, 32.7861



61.8674, 86.8935, 162.5440



114.2951, 86.8935, 125.9031

Complementary

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



77.1214, 86.8935, 32.7861



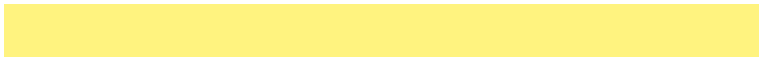
36.0350, 30.1965, 98.5368

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.



103.7714, 86.8935, 175.8524



77.1214, 86.8935, 32.7861



73.0769, 86.8935, 201.1981

Square

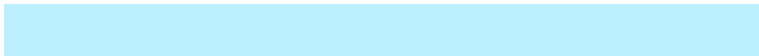
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1214, 86.8935, 32.7861



56.4665, 86.8935, 111.5530



88.3105, 86.8935, 206.7169



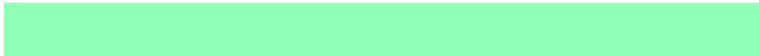
115.7352, 86.8935, 79.4797

Rectangle

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



77.1214, 86.8935, 32.7861



59.0705, 86.8935, 58.5020



88.3105, 86.8935, 206.7169



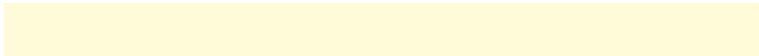
111.6456, 86.8935, 143.1672

Sweetspot

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



77.1235, 86.8975, 32.7879



88.3592, 95.5113, 79.2538



53.5488, 38.3272, 29.3104



18.7317, 20.3171, 16.1780



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

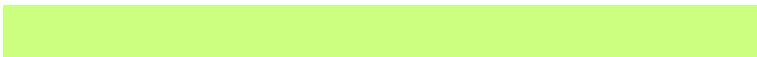
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1235, 86.8975, 32.7879



74.9942, 84.9312, 25.0111



64.4383, 85.8615, 33.2565



19.4072, 20.7825, 19.1329



36.5558, 41.1227, 6.0108



3.6000, 4.0853, 0.5988

Inverse Universe

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



36.0350, 30.1965, 98.5368



29.8137, 22.6131, 97.4012



44.0462, 31.8885, 98.4411



17.1399, 17.6513, 22.7536



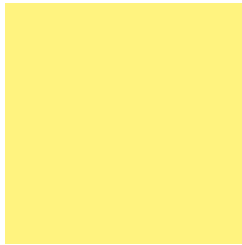
9.6465, 4.2026, 49.7373



0.9831, 0.4970, 4.8574

Previews

White Background



This preview shows how the XYZ color 77.1214, 86.8935, 32.7861 looks on a white background.

Color Contrast Check

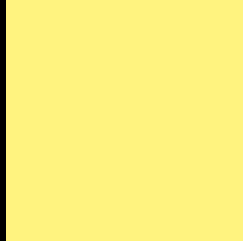
Large Text (above 18pt) WCAG AA × Fail

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 77.1214, 86.8935, 32.7861 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 77.1214, 86.8935, 32.7861

Background



This preview shows how black text looks on a background with the XYZ color 77.1214, 86.8935, 32.7861.

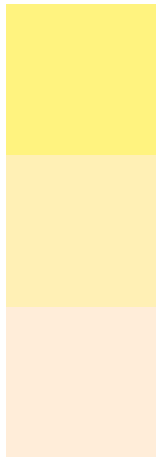


This preview shows how white text looks on a background with the XYZ color 77.1214, 86.8935,

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

77.1214, 86.8935, 32.7861

Protanopia

80.7406, 86.9164, 56.2371

Deuteranopia

84.0486, 86.8381, 77.9772



Tritanopia

86.9920, 86.6373, 97.7257

Trichromacy



Original Color

77.1214, 86.8935, 32.7861



Protanomaly

79.1283, 86.7438, 46.2909



Deuteranomaly

80.7582, 86.4537, 57.7782



Tritanomaly

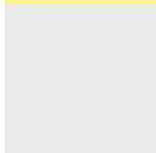
82.0668, 86.0454, 67.5414

Monochromacy



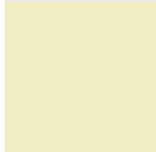
Original Color

77.1214, 86.8935, 32.7861



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

76.2974, 83.1642, 63.0699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1214, 86.8935, 32.7861 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, 243, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 127)  
}
```

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, 243, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 127) }
```

Border

The CSS property to change the border of an element to XYZ 77.1214, 86.8935, 32.7861 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, 243, 127) }
```


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

```
.border{ border-color:rgb(255, 243, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1214, 86.8935, 32.7861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 127) }
```

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

```
.background{ background-color: rgb(255,  
243, 127) }
```

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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