

Converting Colors

XYZ(81.0148, 87.7461, 37.3672)

Have a look what the booklet for
XYZ(81.0148, 87.7461, 37.3672)
contains.

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Color

**XYZ(77.4289, 86.0640,
37.3420)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF18C
RGB	255, 241, 140
RGB Percent	100%, 95%, 55%
CMY	0.0000, 0.0549, 0.4510
CMYK	0.00, 0.05, 0.45, 0.00
HSL	53°, 100%, 77%
HSV	53°, 45%, 100%
XYZ	77.4289, 86.0640, 37.3420
YIQ	233.6720, 40.7650, -28.4430

Conversions

Conversions Part 2

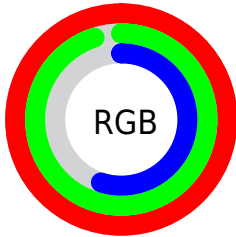
Format	Color
R _Y B	156, 255, 140
Decimal	16773516
CIE Lab	94.34, -8.63, 50.25
CIE LCh	94, 50.983, 99.745
Yxy	86.0640, 0.3855, 0.4285
Android (android.graphics.Color)	4294963596 (0xFFFFF18C)
YUV	233.6720, -46.1803, 18.7047
Hunter-Lab	92.7707, -13.3678, 41.0741

Details

The XYZ color **77.4289, 86.0640, 37.3420** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.4206, 35.9056, 99.4076**, and the grayscale version is **78.2770, 82.3535, 89.6830**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **41.8342, 47.1218, 15.9073** is the 20% darker color. If you saturate the color by 10%, you get **74.8524, 83.5793, 28.2574**, and if you desaturate by 10%, it is **80.4610, 88.7622, 48.7298**.

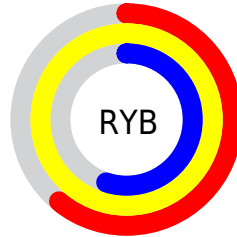
Distribution



Red (100%)

Green (95%)

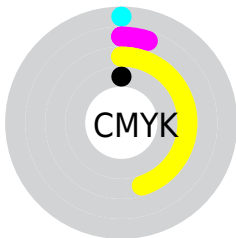
Blue (55%)



Red (61%)

Yellow (100%)

Blue (55%)

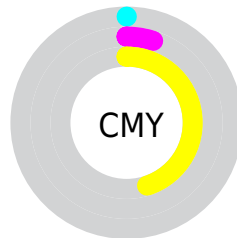


Cyan (0%)

Magenta (5%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4289, 86.0640, 37.3420 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 77.4289, 86.0640, 37.3420 by changing the saturation by 10% instead.

77.4289, 86.0640,
37.3420

77.4289, 86.0640,
37.3420

475.0947,
515.1422, 350.0020

57.9061, 64.7209,
25.1745

128.7144,
141.8588, 72.2907

41.9761, 47.2348,
15.9869

161.2078,
177.0793, 95.9089

29.2736, 33.2213,
9.3607

198.7554,
217.6943, 124.1813

19.4332, 22.2960,
4.8772

241.7226,
264.0884, 157.5261

12.0896, 14.0746,
2.1179

290.4748,
316.6458, 196.3621

6.8774, 8.1726,
0.6264

345.3773,

3.4312, 4.2056,

375.7510, 241.1077

0.0000

406.7955,
441.7883, 292.1815

■ 1.3857, 1.7892,
0.0000

■ 0.2460, 0.4804,
0.0000

■ 77.4289, 86.0640,
37.3420

■ 77.4289, 86.0640,
37.3420

■ 74.8524, 83.5793,
28.2574

■ 80.4610, 88.7622,
48.7298

■ 72.6945, 81.2839,
21.3098

■ 83.9700, 91.6732,
62.5608

■ 70.9229, 79.1677,
16.3195

■ 87.9834, 94.8112,
78.9702

■ 69.4972, 77.2146,
13.0750

■ 92.5248, 98.1859,
98.0818

■ 68.3678, 75.4046, 95.0499, 100.0000,
11.3153 108.9000

■ 67.8877, 74.5555,
10.8126

Harmonies

Analogous

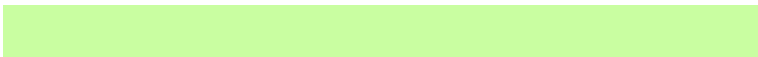
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2507, 86.0640, 39.3098



77.4289, 86.0640, 37.3420



66.1082, 86.0640, 46.8975

Triad

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



77.4289, 86.0640, 37.3420



63.1957, 86.0640, 150.6038



109.0459, 86.0640, 122.2862

Complementary

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



77.4289, 86.0640, 37.3420



40.4206, 35.9056, 99.4076

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.



99.7998, 86.0640, 164.3936



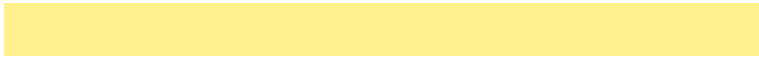
77.4289, 86.0640, 37.3420



73.0278, 86.0640, 183.6488

Square

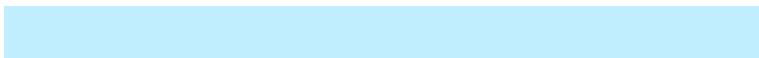
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4289, 86.0640, 37.3420



58.5172, 86.0640, 107.0483



86.3352, 86.0640, 189.2995



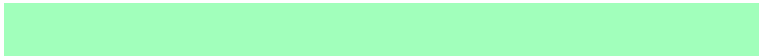
110.5635, 86.0640, 81.5267

Rectangle

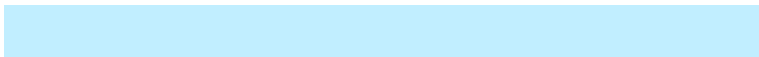
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4289, 86.0640, 37.3420



61.1172, 86.0640, 60.6442



86.3352, 86.0640, 189.2995



106.6933, 86.0640, 137.0250

Sweetspot

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



77.4310, 86.0680, 37.3438



88.4555, 95.1699, 80.9326



56.5631, 42.3948, 36.3602



18.7357, 20.2199, 16.5034



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

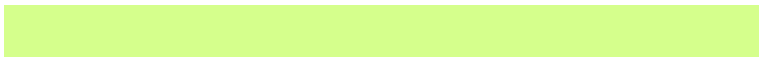
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4310, 86.0680, 37.3438



75.1143, 83.8428, 29.1466



67.8863, 87.5347, 38.1300



19.3615, 20.6911, 19.1177



35.5474, 39.1060, 5.6747



3.5119, 3.9093, 0.5695

Inverse Universe

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



40.4206, 35.9056, 99.4076



33.9593, 28.0883, 98.2395



46.7597, 35.9426, 99.0807



17.1810, 17.7337, 22.7674



9.7433, 4.3963, 49.7696



1.0025, 0.5357, 4.8638

Previews

White Background



This preview shows how the XYZ color 77.4289, 86.0640, 37.3420 looks on a white background.

Color Contrast Check

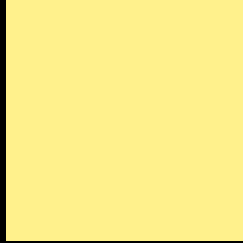
Large Text (above 18pt) WCAG AA × Fail

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 77.4289, 86.0640, 37.3420 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 77.4289, 86.0640, 37.3420

Background



This preview shows how black text looks on a background with the XYZ color 77.4289, 86.0640, 37.3420.

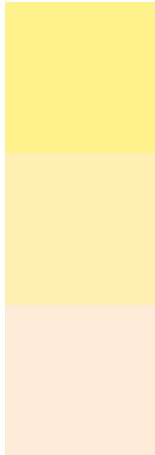


This preview shows how white text looks on a background with the XYZ color 77.4289, 86.0640,

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

77.4289, 86.0640, 37.3420

Protanopia

79.9430, 86.1276, 53.4851

Deuteranopia

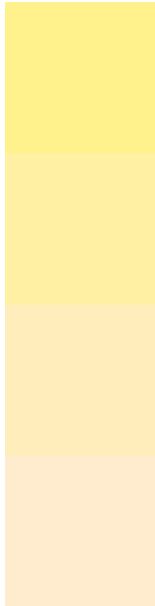
83.6301, 86.2088, 77.1979



Tritanopia

86.5566, 86.0089, 96.8334

Trichromacy



Original Color

77.4289, 86.0640, 37.3420

Protanomaly

79.0109, 86.2245, 47.1290

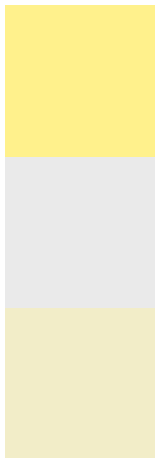
Deuteranomaly

80.8916, 86.0399, 59.9209

Tritanomaly

82.3760, 85.7071, 70.5940

Monochromacy



Original Color

77.4289, 86.0640, 37.3420

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.3275, 83.6157, 66.7074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4289, 86.0640, 37.3420 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, 241, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 140)  
}
```

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, 241, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 140) }
```

Border

The CSS property to change the border of an element to XYZ 77.4289, 86.0640, 37.3420 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, 241, 140) }
```


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

```
.border{ border-color:rgb(255, 241, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4289, 86.0640, 37.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 140) }
```

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

```
.background{ background-color: rgb(255,  
241, 140) }
```

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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