

Converting Colors

XYZ(76.8738, 85.2225, 36.3289)

Have a look what the booklet for
XYZ(76.8738, 85.2225, 36.3289)
contains.

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Color

**XYZ(76.9875, 85.4152,
36.4739)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF08A
RGB	255, 240, 138
RGB Percent	100%, 94%, 54%
CMY	0.0000, 0.0588, 0.4588
CMYK	0.00, 0.06, 0.46, 0.00
HSL	52°, 100%, 77%
HSV	52°, 46%, 100%
XYZ	76.9875, 85.4152, 36.4739
YIQ	232.8570, 41.6820, -28.5420

Conversions

Conversions Part 2

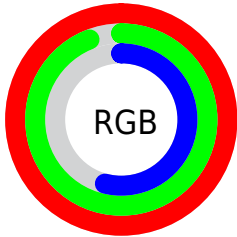
Format	Color
R _Y B	155, 255, 138
Decimal	16773258
CIE Lab	94.06, -8.32, 50.86
CIE LCh	94, 51.537, 99.291
Yxy	85.4152, 0.3871, 0.4295
Android (android.graphics.Color)	4294963338 (0xFFFFF08A)
YUV	232.8570, -46.7645, 19.4194
Hunter-Lab	92.4203, -13.0425, 41.2953

Details

The XYZ color **76.9875, 85.4152, 36.4739** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.9222, 35.4046, 99.3370**, and the grayscale version is **77.6652, 81.7098, 88.9820**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **41.5451, 46.6726, 15.4134** is the 20% darker color. If you saturate the color by 10%, you get **74.4012, 82.8584, 27.5484**, and if you desaturate by 10%, it is **80.0287, 88.1879, 47.6911**.

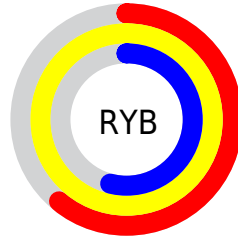
Distribution



Red (100%)

Green (94%)

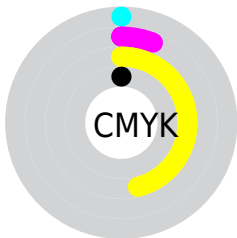
Blue (54%)



Red (61%)

Yellow (100%)

Blue (54%)

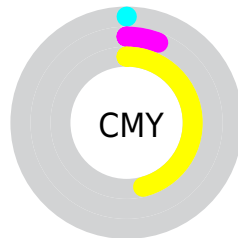


Cyan (0%)

Magenta (6%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9875, 85.4152, 36.4739 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 76.9875, 85.4152, 36.4739 by changing the saturation by 10% instead.


 76.9875, 85.4152,
36.4739

 76.9875, 85.4152,
36.4739


473.6140,
513.0009, 346.1270


 57.5425, 64.1845,
24.5078


 128.0948,
140.9531, 70.9402

 41.6828, 46.8001,
15.4951


 160.4878,
176.0291, 94.2774

 29.0430, 32.8777,
9.0171


 197.9275,
216.4891, 122.2422

 19.2578, 22.0328,
4.6554

240.7792,
262.7173, 155.2529

 11.9618, 13.8810,
1.9913

289.4084,
315.0982, 193.7283

 6.7897, 8.0379,
0.5499

344.1803,

 3.3761, 4.1192,

374.0162, 238.0867

0.0000

405.4604,
439.8556, 288.7468

■ 1.3556, 1.7405,
0.0000

■ 0.2243, 0.4497,
0.0000

■ 76.9875, 85.4152,
36.4739

■ 76.9875, 85.4152,
36.4739

■ 74.4012, 82.8584,
27.5484

■ 80.0287, 88.1879,
47.6911

■ 72.2328, 80.4931,
20.7471

■ 83.5464, 91.1761,
61.3411

■ 70.4493, 78.3093,
15.8884

■ 87.5684, 94.3939,
77.5601

■ 69.0099, 76.2904,
12.7576

■ 92.1182, 97.8510,
96.4722

■ 67.8639, 74.4160, 95.0498, 99.9999,
11.0887 108.9000

■ 67.4468, 73.6738,
10.6656

Harmonies

Analogous

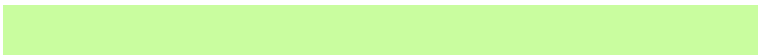
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9051, 85.4152, 38.6048



76.9875, 85.4152, 36.4739



65.5558, 85.4152, 45.8201

Triad

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



76.9875, 85.4152, 36.4739



62.3806, 85.4152, 149.7136



108.5337, 85.4152, 122.4548

Complementary

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



76.9875, 85.4152, 36.4739



39.9222, 35.4046, 99.3370

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.



99.1187, 85.4152, 164.8392



76.9875, 85.4152, 36.4739



72.1830, 85.4152, 183.4129

Square

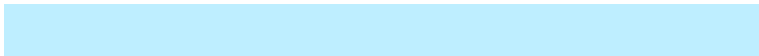
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9875, 85.4152, 36.4739



57.7725, 85.4152, 105.7803



85.5315, 85.4152, 189.6181



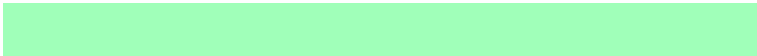
110.1955, 85.4152, 81.2977

Rectangle

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



76.9875, 85.4152, 36.4739



60.4949, 85.4152, 59.4244



85.5315, 85.4152, 189.6181



106.1237, 85.4152, 137.3151

Sweetspot

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



76.9896, 85.4192, 36.4757



88.3836, 95.0260, 80.9086



56.1284, 41.7576, 35.5003



18.7180, 20.1845, 16.4975



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

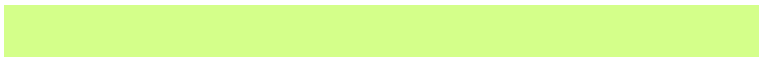
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9896, 85.4192, 36.4757



74.6123, 83.0763, 28.2472



67.5280, 87.3668, 37.3503



19.3509, 20.6701, 19.1141



35.3203, 38.6518, 5.5990



3.4921, 3.8695, 0.5628

Inverse Universe

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



39.9222, 35.4046, 99.3370



33.4370, 27.5471, 98.1625



46.1718, 35.2097, 98.9699



17.1906, 17.7528, 22.7705



9.7687, 4.4470, 49.7781



1.0070, 0.5447, 4.8653

Previews

White Background



This preview shows how the XYZ color 76.9875, 85.4152, 36.4739 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 76.9875, 85.4152, 36.4739 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 76.9875, 85.4152, 36.4739

Background



This preview shows how black text looks on a background with the XYZ color 76.9875, 85.4152, 36.4739.

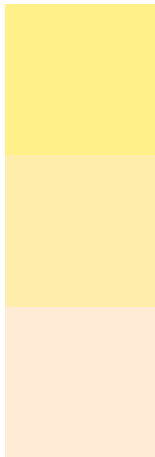


This preview shows how white text looks on a background with the XYZ color 76.9875, 85.4152,

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

76.9875, 85.4152, 36.4739

Protanopia

79.1652, 85.3493, 50.8297

Deuteranopia

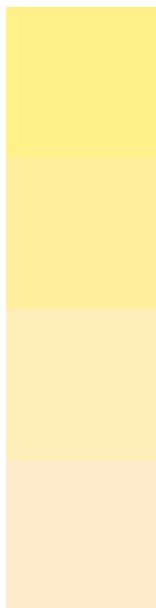
83.0859, 85.5317, 75.7485



Tritanopia

86.1236, 85.3840, 95.9460

Trichromacy



Original Color

76.9875, 85.4152, 36.4739

Protanomaly

78.3645, 85.4962, 45.1731

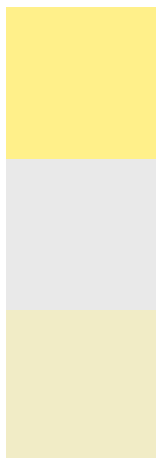
Deuteranomaly

80.3871, 85.3735, 58.6963

Tritanomaly

81.8474, 85.0363, 69.2266

Monochromacy



Original Color

76.9875, 85.4152, 36.4739

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.4641, 82.7689, 65.3720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9875, 85.4152, 36.4739 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, 240, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 138)  
}
```

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, 240, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 138) }
```

Border

The CSS property to change the border of an element to XYZ 76.9875, 85.4152, 36.4739 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, 240, 138) }
```


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

```
.border{ border-color:rgb(255, 240, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9875, 85.4152, 36.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 138) }
```

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

```
.background{ background-color: rgb(255,  
240, 138) }
```

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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