

# Converting Colors

XYZ(67.1086, 76.8831, 37.2112)

Have a look what the booklet for  
XYZ(67.1086, 76.8831, 37.2112)  
contains.

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# Color

**XYZ(67.0932, 76.8522,  
37.2844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E88F
RGB	232, 232, 143
RGB Percent	91%, 91%, 56%
CMY	0.0902, 0.0902, 0.4392
CMYK	0.00, 0.00, 0.38, 0.09
HSL	60°, 66%, 74%
HSV	60°, 38%, 91%
XYZ	67.0932, 76.8522, 37.2844
YIQ	221.8540, 28.5690, -27.6790

# Conversions

## Conversions Part 2

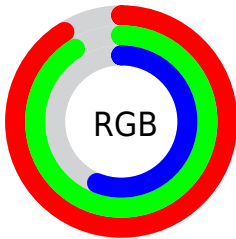
Format	Color
R <sub>Y</sub> B	143, 232, 143
Decimal	15263887
CIE Lab	90.25, -12.79, 43.27
CIE LCh	90, 45.126, 106.471
Yxy	76.8522, 0.3702, 0.4241
Android (android.graphics.Color)	4293453967 (0xFFE8E88F)
YUV	221.8540, -38.8750, 8.8980
Hunter-Lab	87.6654, -16.8025, 36.1495

# Details

The XYZ color **67.0932, 76.8522, 37.2844** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.7185, 31.3127, 80.5099**, and the grayscale version is **69.5814, 73.2050, 79.7203**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **35.2897, 41.3136, 16.0119** is the 20% darker color. If you saturate the color by 10%, you get **65.5146, 76.2234, 28.9660**, and if you desaturate by 10%, it is **69.0391, 77.6334, 47.5202**.

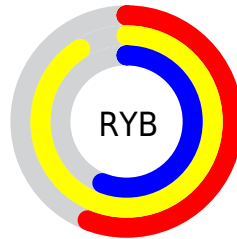
# Distribution



Red (91%)

Green (91%)

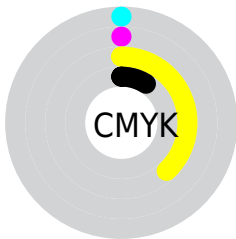
Blue (56%)



Red (56%)

Yellow (91%)

Blue (56%)

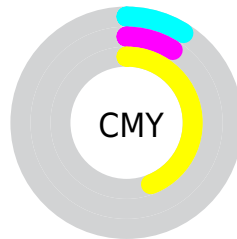


Cyan (0%)

Magenta (0%)

Yellow (38%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0932, 76.8522, 37.2844 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 67.0932, 76.8522, 37.2844 by changing the saturation by 10% instead.



67.0932, 76.8522,  
37.2844

67.0932, 76.8522,  
37.2844

439.7037,  
484.2600, 349.7459

49.4313, 57.1316,  
25.1303

114.1030,  
128.9308, 72.2012

35.1777, 41.1109,  
15.9542

144.1817,  
162.0576, 95.8009

23.9670, 28.4057,  
9.3378

179.1300,  
200.4219, 124.0529

15.4337, 18.6317,  
4.8623

219.3133,  
244.4081, 157.3757

9.2126, 11.4045,  
2.1094

265.0970,  
294.4007, 196.1879

4.9384, 6.3396,  
0.6213

316.8464,

2.2455, 3.0527,

350.7839, 240.9079

0.0000

374.9268,  
413.9422, 291.9544

■ 0.7666, 1.1593,  
0.0000

■ 0.0000, 0.0281,  
0.0000

■ 67.0932, 76.8522,  
37.2844

■ 67.0932, 76.8522,  
37.2844

■ 65.5146, 76.2234,  
28.9660

■ 69.0391, 77.6334,  
47.5202

■ 64.2750, 75.7275,  
22.4413


■ 71.3673, 78.5647,  
59.7773


■ 63.3513, 75.3580,  
17.5798


■ 74.0987, 79.6573,  
74.1579


■ 62.7149, 75.1033,  
14.2313


■ 77.2511, 80.9184,  
90.7558


 62.3321, 74.9502,  
12.2185


 80.1897, 82.0938,  
106.2270


 62.1545, 74.8791,  
11.2863

 80.1902, 82.0941,  
106.2270

 62.1336, 74.8707,  
11.1767

 80.1908, 82.0944,  
106.2270

 80.1913, 82.0947,  
106.2271

 80.1918, 82.0950,  
106.2271

# Harmonies

## Analogous

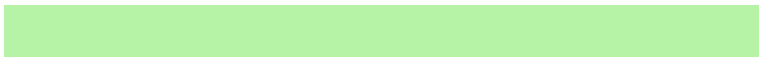
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2140, 76.8522, 36.8070



67.0932, 76.8522, 37.2844



58.4829, 76.8522, 47.9073

# Triad

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



67.0932, 76.8522, 37.2844



59.1615, 76.8522, 136.9959



96.1134, 76.8522, 98.9943

# Complementary

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



67.0932, 76.8522, 37.2844



35.7185, 31.3127, 80.5099

# 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.



89.8452, 76.8522, 133.9007



67.0932, 76.8522, 37.2844



68.1102, 76.8522, 159.3477

# Square

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



67.0932, 76.8522, 37.2844



54.2350, 76.8522, 102.4648



79.3403, 76.8522, 158.0884



95.7692, 76.8522, 67.3422

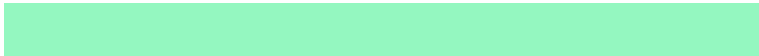


# Rectangle

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



67.0932, 76.8522, 37.2844



54.9838, 76.8522, 61.3411



79.3403, 76.8522, 158.0884



94.6844, 76.8522, 110.8719

# Sweetspot

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



67.0951, 76.8557, 37.2860



90.5081, 98.1831, 84.9867



48.0617, 38.7858, 30.9409



19.2764, 20.9768, 17.6851



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.



67.0951, 76.8557, 37.2860



81.5626, 94.6047, 37.8928



54.4336, 70.3285, 36.6935



15.6016, 16.8172, 15.3282



34.4922, 41.5628, 6.2045



2.5489, 3.0714, 0.4585



# Inverse Universe

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



35.7185, 31.3127, 80.5099



37.5285, 30.6894, 98.5534



45.0064, 36.1008, 80.9446



13.5830, 13.8873, 18.1089



8.0864, 3.2346, 42.5813

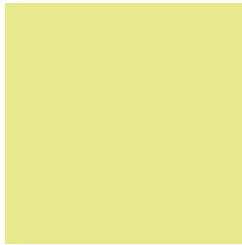


0.5976, 0.2390, 3.1466



# Previews

## White Background



This preview shows how the XYZ color 67.0932, 76.8522, 37.2844 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 67.0932, 76.8522, 37.2844 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

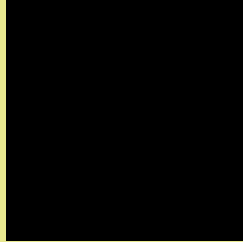
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.0932, 76.8522, 37.2844**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.0932, 76.8522, 37.2844.



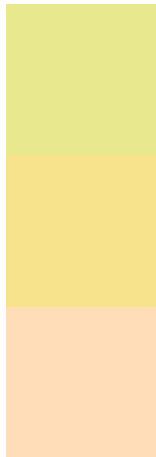
This preview shows how white text looks on a background with the XYZ color 67.0932, 76.8522,



# 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

67.0932, 76.8522, 37.2844

### Protanopia

70.9882, 76.8177, 36.2851

### Deuteranopia

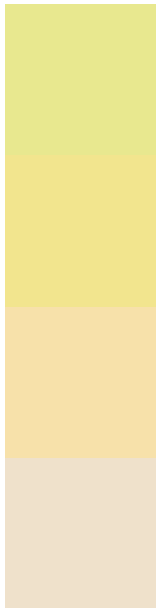
75.8534, 76.4757, 56.6623



## Tritanopia

78.2512, 76.9406, 91.6157

# Trichromacy



## Original Color

67.0932, 76.8522, 37.2844

## Protanomaly

69.5197, 76.8689, 36.7643

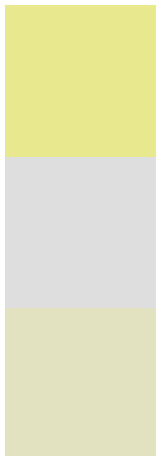
## Deuteranomaly

72.5387, 76.5269, 48.9782

## Tritanomaly

73.3013, 76.5129, 67.4050

# Monochromacy



## Original Color

67.0932, 76.8522, 37.2844

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

68.1860, 74.4117, 61.2212

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.0932, 76.8522, 37.2844 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(232, 232, 143)` looks like.

```
.text, #text, p{  
    color:rgb(232, 232, 143)  
}
```

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(232, 232, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 232, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 67.0932, 76.8522, 37.2844 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(232, 232, 143) }
```



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

```
.border{ border-color:rgb(232, 232, 143) }
```

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

Here you see how a box with a 4 pixel rgb(232, 232, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 232, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 232, 143);  
box-shadow:4px 4px 4px 4px rgb(232, 232,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.0932, 76.8522, 37.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 232, 143) }
```

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

```
.background{ background-color: rgb(232,  
232, 143) }
```

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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