

Converting Colors

XYZ(69.9437, 80.4668, 36.6564)

Have a look what the booklet for
XYZ(69.9437, 80.4668, 36.6564)
contains.

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Color

**XYZ(69.9429, 80.4663,
36.6561)**

Conversions

Conversions Part 1

Format	Color
Hex	EDED8C
RGB	237, 237, 140
RGB Percent	93%, 93%, 55%
CMY	0.0706, 0.0706, 0.4510
CMYK	0.00, 0.00, 0.41, 0.07
HSL	60°, 73%, 74%
HSV	60°, 41%, 93%
XYZ	69.9429, 80.4663, 36.6561
YIQ	225.9420, 31.1370, -30.1670

Conversions

Conversions Part 2

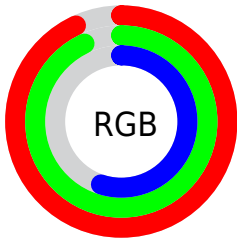
Format	Color
RYB	140, 237, 140
Decimal	15592844
CIELab	91.89, -13.65, 46.89
CIELCh	92, 48.838, 106.228
Yxy	80.4663, 0.3739, 0.4302
Android (android.graphics.Color)	4293782924 (0xFFEDED8C)
YUV	225.9420, -42.3694, 9.6979
Hunter-Lab	89.7030, -17.8009, 38.5639

Details

The XYZ color **69.9429, 80.4663, 36.6561** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.4821, 30.4480, 84.1323**, and the grayscale version is **72.5295, 76.3066, 83.0979**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **37.1077, 43.4556, 15.6645** is the 20% darker color. If you saturate the color by 10%, you get **68.3806, 79.8442, 28.4227**, and if you desaturate by 10%, it is **71.8856, 81.2463, 46.8750**.

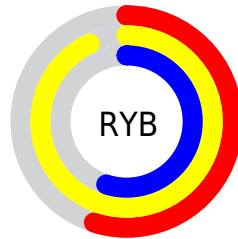
Distribution



Red (93%)

Green (93%)

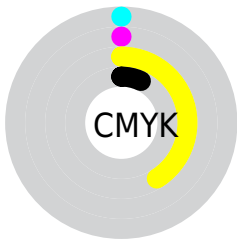
Blue (55%)



Red (55%)

Yellow (93%)

Blue (55%)

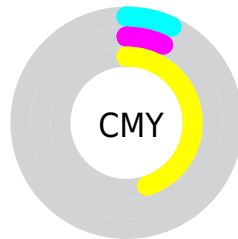


Cyan (0%)

Magenta (0%)

Yellow (41%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9429, 80.4663, 36.6561 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 69.9429, 80.4663, 36.6561 by changing the saturation by 10% instead.

69.9429, 80.4663,
36.6561

69.9429, 80.4663,
36.6561

449.6190,
496.5029, 346.9430

51.7594, 60.1021,
24.6476

118.1540,
134.0211, 71.2240

37.0368, 43.5010,
15.5981

148.9124,
167.9806, 94.6204

25.4098, 30.2784,
9.0890

184.5931,
207.2406, 122.6500

16.5130, 20.0500,
4.7016

225.5615,
252.1856, 155.7312

9.9810, 12.4314,
2.0176

272.1829,
303.1999, 194.2825

5.4486, 7.0382,
0.5661

324.8227,

2.5502, 3.4860,

360.6680, 238.7226

0.0000

383.8463,
424.9742, 289.4699

■ 0.9206, 1.3904,
0.0000

■ 0.0000, 0.2096,
0.0000

■ 69.9429, 80.4663,
36.6561

■ 69.9429, 80.4663,
36.6561

■ 68.3806, 79.8442,
28.4227

■ 71.8856, 81.2463,
46.8750

■ 67.1682, 79.3592,
22.0413


■ 74.2250, 82.1821,
59.1914

■ 66.2807, 79.0041,
17.3701


■ 76.9835, 83.2856,
73.7150

■ 65.6866, 78.7664,
14.2443

■ 80.1802, 84.5643,
90.5464


 65.3487, 78.6312,
12.4671

 83.2635, 85.7977,
106.7799

 65.2082, 78.5750,
11.7296

 83.2639, 85.7979,
106.7799

 83.2644, 85.7982,
106.7799

 83.2649, 85.7984,
106.7800

 83.2654, 85.7987,
106.7800

Harmonies

Analogous

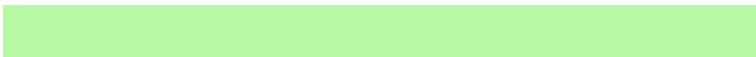
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3613, 80.4663, 36.2295



69.9429, 80.4663, 36.6561



60.3680, 80.4663, 48.0219

Triad

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



69.9429, 80.4663, 36.6561



60.9939, 80.4663, 147.4865



102.3510, 80.4663, 105.0895

Complementary

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



69.9429, 80.4663, 36.6561



35.4821, 30.4480, 84.1323

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.



95.2324, 80.4663, 144.5465



69.9429, 80.4663, 36.6561



70.8871, 80.4663, 173.1784

Square

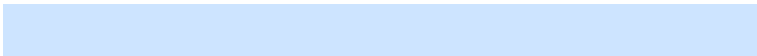
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9429, 80.4663, 36.6561



55.6003, 80.4663, 108.3481



83.4139, 80.4663, 171.9754



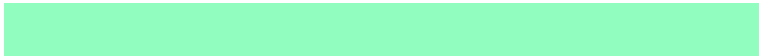
102.0267, 80.4663, 69.7099

Rectangle

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



69.9429, 80.4663, 36.6561



56.4815, 80.4663, 62.6380



83.4139, 80.4663, 171.9754



100.7184, 80.4663, 118.4776

Sweetspot

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



69.9449, 80.4700, 36.6578



90.5082, 98.1832, 84.9867



49.0394, 38.6561, 29.6887



19.2765, 20.9768, 17.6851



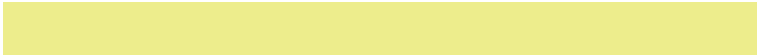
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

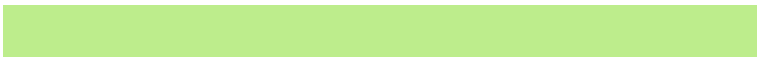
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9449, 80.4700, 36.6578



81.0298, 94.3916, 35.0854



55.8833, 73.2210, 35.9997



16.3519, 17.6270, 16.0592



35.5992, 42.8965, 6.4036



2.7954, 3.3684, 0.5028

Inverse Universe

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



35.4821, 30.4480, 84.1323



35.2541, 27.9490, 98.1443



45.5290, 35.6273, 84.6025



14.2314, 14.5490, 18.9804



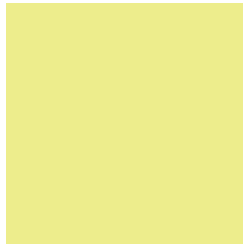
8.3458, 3.3383, 43.9475



0.6554, 0.2622, 3.4509

Previews

White Background



This preview shows how the XYZ color 69.9429, 80.4663, 36.6561 looks on a white background.

Color Contrast Check

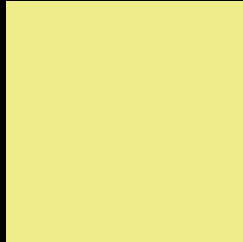
Large Text (above 18pt) WCAG AA × Fail

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 69.9429, 80.4663, 36.6561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

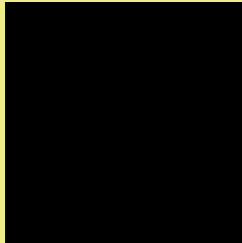
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9429, 80.4663, 36.6561

Background



This preview shows how black text looks on a background with the XYZ color 69.9429, 80.4663, 36.6561.



This preview shows how white text looks on a background with the XYZ color 69.9429, 80.4663,

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

69.9429, 80.4663, 36.6561

Protanopia

73.9521, 80.4309, 35.6718

Deuteranopia

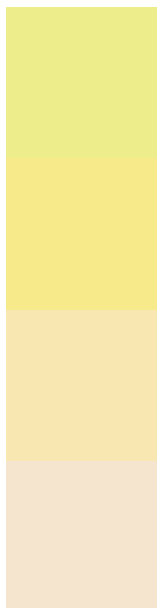
78.9021, 80.2754, 64.7622



Tritanopia

82.1698, 80.4612, 95.9938

Trichromacy



Original Color

69.9429, 80.4663, 36.6561

Protanomaly

72.4408, 80.4839, 36.1430

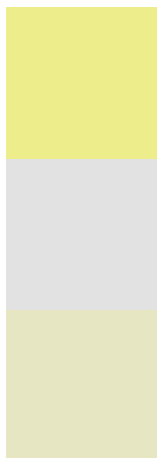
Deuteranomaly

75.2231, 80.2826, 53.1264

Tritanomaly

76.8161, 79.9073, 69.7675

Monochromacy



Original Color

69.9429, 80.4663, 36.6561

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.7803, 77.3568, 62.8306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9429, 80.4663, 36.6561 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(237, 237, 140)` looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 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(237, 237, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 140) }
```

Border

The CSS property to change the border of an element to XYZ 69.9429, 80.4663, 36.6561 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(237, 237, 140) }
```


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

```
.border{ border-color:rgb(237, 237, 140) }
```

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

Here you see how a box with a 4 pixel rgb(237, 237, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 237, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 237, 140);  
box-shadow:4px 4px 4px 4px rgb(237, 237,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9429, 80.4663, 36.6561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 237, 140) }
```

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

```
.background{ background-color: rgb(237,  
237, 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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