

Converting Colors

XYZ(69.9578, 80.0352, 37.0944)

Have a look what the booklet for
XYZ(69.9578, 80.0352, 37.0944)
contains.

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Color

**XYZ(70.0631, 80.0911,
36.9657)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEEC8D
RGB	238, 236, 141
RGB Percent	93%, 93%, 55%
CMY	0.0667, 0.0745, 0.4470
CMYK	0.00, 0.01, 0.41, 0.07
HSL	59°, 74%, 74%
HSV	59°, 41%, 93%
XYZ	70.0631, 80.0911, 36.9657
YIQ	225.7680, 31.6870, -29.1210

Conversions

Conversions Part 2

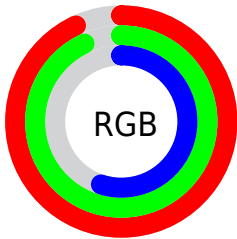
Format	Color
RYB	143, 238, 141
Decimal	15658125
CIELab	91.73, -12.67, 46.21
CIELCh	92, 47.916, 105.327
Yxy	80.0911, 0.3744, 0.4280
Android (android.graphics.Color)	4293848205 (0xFFEEEC8D)
YUV	225.7680, -41.7906, 10.7275
Hunter-Lab	89.4936, -16.8691, 38.1556

Details

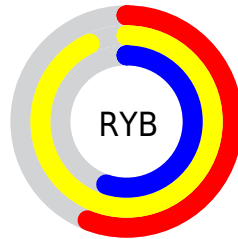
The XYZ color **70.0631, 80.0911, 36.9657** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.2396, 31.4799, 85.0552**, and the grayscale version is **72.3992, 76.1696, 82.9487**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **37.1805, 43.1875, 15.8276** is the 20% darker color. If you saturate the color by 10%, you get **68.3393, 79.1793, 28.5735**, and if you desaturate by 10%, it is **72.1718, 81.1632, 47.3654**.

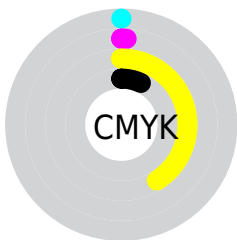
Distribution



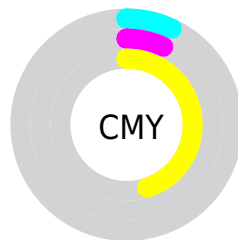
- Red (93%)
- Green (93%)
- Blue (55%)



- Red (56%)
- Yellow (93%)
- Blue (55%)



- Cyan (0%)
- Magenta (1%)
- Yellow (41%)
- Black (7%)





- Cyan (7%)
- Magenta (7%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0631, 80.0911, 36.9657 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 70.0631, 80.0911, 36.9657 by changing the saturation by 10% instead.


 70.0631, 80.0911,
36.9657


 70.0631, 80.0911,
36.9657


450.0345,
495.2398, 348.3262

 51.8578, 59.7933,
24.8854


 118.3245,
133.4938, 71.7058

 37.1155, 43.2521,
15.7734


 149.1113,
167.3675, 95.2026

 25.4710, 30.0829,
9.2113


184.8226,
206.5353, 123.3419

 16.5589, 19.9016,
4.7806

225.8238,
251.3817, 156.5424

 10.0139, 12.3235,
2.0626

272.4802,
302.2909, 195.2225

 5.4705, 6.9644,
0.5934

325.1572,

 2.5634, 3.4398,

359.6474, 239.8009

0.0000

384.2202,
423.8355, 290.6959

■ 0.9274, 1.3654,
0.0000

■ 0.0000, 0.1910,
0.0000

■ 70.0631, 80.0911,
36.9657

■ 70.0631, 80.0911,
36.9657

■ 68.3393, 79.1793,
28.5735

■ 72.1718, 81.1632,
47.3654

■ 66.9698, 78.4071,
22.0541


■ 74.6819, 82.3935,
59.8857


■ 65.9292, 77.7670,
17.2645


■ 77.6161, 83.7941,
74.6371


■ 65.1860, 77.2464,
14.0388


■ 80.9935, 85.3727,
91.7212

 64.7024, 76.8304,
12.1788


 84.0164, 86.8100,
106.9356

 64.4293, 76.5159,
11.3733

 84.1594, 87.0960,
106.9833

 84.3027, 87.3828,
107.0311

 84.4465, 87.6704,
107.0790

 84.5907, 87.9587,
107.1271

Harmonies

Analogous

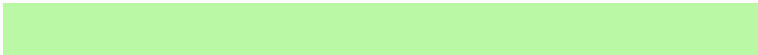
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2508, 80.0911, 36.8531



70.0631, 80.0911, 36.9657



60.5649, 80.0911, 47.8407

Triad

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



70.0631, 80.0911, 36.9657



60.7286, 80.0911, 144.5462



101.2738, 80.0911, 105.4426

Complementary

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



70.0631, 80.0911, 36.9657



36.2396, 31.4799, 85.0552

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.



94.1431, 80.0911, 143.7834



70.0631, 80.0911, 36.9657



70.3096, 80.0911, 170.1478

Square

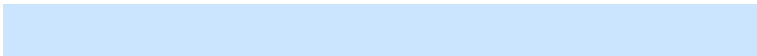
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0631, 80.0911, 36.9657



55.5829, 80.0911, 106.2906



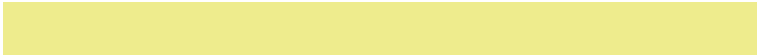
82.5251, 80.0911, 169.8362



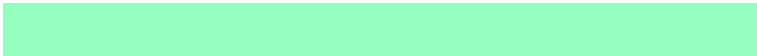
101.1895, 80.0911, 70.5538

Rectangle

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



70.0631, 80.0911, 36.9657



56.6545, 80.0911, 61.9571



82.5251, 80.0911, 169.8362



99.6102, 80.0911, 118.5221

Sweetspot

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



70.0651, 80.0948, 36.9674



90.3085, 97.7829, 84.9200



49.8373, 39.2486, 31.4292



19.2291, 20.8818, 17.6693



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

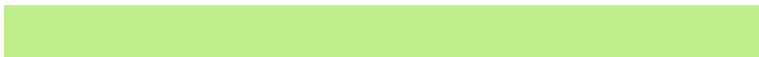
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0651, 80.0948, 36.9674



80.2187, 92.7651, 34.8142



57.3072, 74.3749, 36.5357



17.0934, 18.4000, 16.8003



35.9576, 42.7132, 6.3493



3.0001, 3.5710, 0.5311

Inverse Universe

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



36.2396, 31.4799, 85.0552



35.5990, 28.6406, 98.2597



45.2728, 35.6963, 85.3929



14.9233, 15.2807, 19.8845



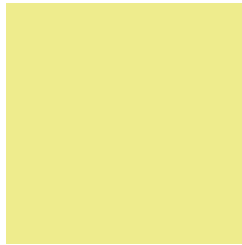
8.6508, 3.5259, 45.3525



0.7288, 0.3115, 3.7759

Previews

White Background



This preview shows how the XYZ color 70.0631, 80.0911, 36.9657 looks on a white background.

Color Contrast Check

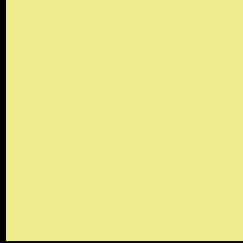
Large Text (above 18pt) WCAG AA × Fail

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 70.0631, 80.0911, 36.9657 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 70.0631, 80.0911, 36.9657

Background



This preview shows how black text looks on a background with the XYZ color 70.0631, 80.0911, 36.9657.

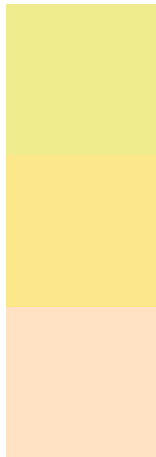


This preview shows how white text looks on a background with the XYZ color 70.0631, 80.0911,

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

70.0631, 80.0911, 36.9657

Protanopia

73.7441, 79.8986, 35.9613

Deuteranopia

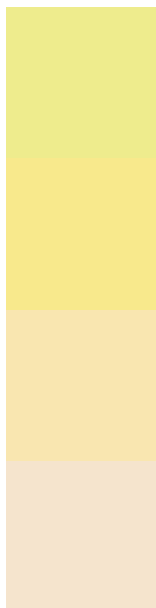
78.4002, 79.6382, 63.4641



Tritanopia

81.7496, 79.8619, 95.1106

Trichromacy



Original Color

70.0631, 80.0911, 36.9657

Protanomaly

72.5839, 80.1277, 36.4516

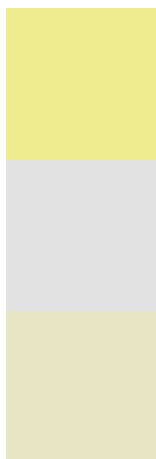
Deuteranomaly

75.2002, 79.8680, 52.5269

Tritanomaly

76.4190, 79.3071, 69.0377

Monochromacy



Original Color

70.0631, 80.0911, 36.9657

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 70.0631, 80.0911, 36.9657 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(238, 236, 141)` looks like.

```
.text, #text, p{  
    color:rgb(238, 236, 141)  
}
```

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(238, 236, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 236, 141) }
```

Border

The CSS property to change the border of an element to XYZ 70.0631, 80.0911, 36.9657 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(238, 236, 141) }
```


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

```
.border{ border-color:rgb(238, 236, 141) }
```

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

Here you see how a box with a 4 pixel rgb(238, 236, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 236, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 236, 141);  
box-shadow:4px 4px 4px 4px rgb(238, 236,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0631, 80.0911, 36.9657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 236, 141) }
```

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

```
.background{ background-color: rgb(238,  
236, 141) }
```

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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