

Converting Colors

XYZ(69.5197, 76.8689, 36.7643)

Have a look what the booklet for
XYZ(69.5197, 76.8689, 36.7643)
contains.

XYZ(69.5197, 76.8689, 36.7643)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.5197, 76.8689,
36.7643)**

Conversions

Conversions Part 1

Format	Color
Hex	F2E58E
RGB	242, 229, 142
RGB Percent	95%, 90%, 56%
CMY	0.0510, 0.1019, 0.4431
CMYK	0.00, 0.05, 0.41, 0.05
HSL	52°, 79%, 75%
HSV	52°, 41%, 95%
XYZ	69.5197, 76.8689, 36.7643
YIQ	222.9690, 35.6750, -24.3010

Conversions

Conversions Part 2

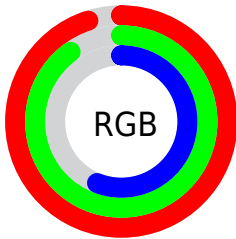
Format	Color
R _Y B	157, 242, 142
Decimal	15918478
CIE Lab	90.26, -7.52, 43.94
CIE LCh	90, 44.580, 99.717
Yxy	76.8689, 0.3796, 0.4197
Android (android.graphics.Color)	4294108558 (0xFF2E58E)
YUV	222.9690, -39.9177, 16.6902
Hunter-Lab	87.6749, -11.8938, 36.5106

Details

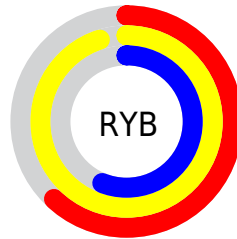
The XYZ color **69.5197, 76.8689, 36.7643** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.9034, 35.6031, 88.8257**, and the grayscale version is **70.3758, 74.0408, 80.6305**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **36.7487, 41.2006, 15.6885** is the 20% darker color. If you saturate the color by 10%, you get **67.0350, 74.4982, 27.9246**, and if you desaturate by 10%, it is **72.4185, 79.4360, 47.6897**.

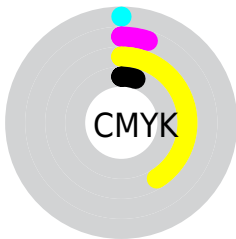
Distribution



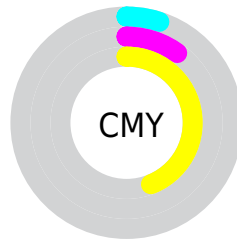
- Red (95%)
- Green (90%)
- Blue (56%)



- Red (62%)
- Yellow (95%)
- Blue (56%)



- Cyan (0%)
- Magenta (5%)
- Yellow (41%)
- Black (5%)



- Cyan (5%)
- Magenta (10%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5197, 76.8689, 36.7643 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 69.5197, 76.8689, 36.7643 by changing the saturation by 10% instead.

69.5197, 76.8689,
36.7643

69.5197, 76.8689,
36.7643

448.1545,
484.3169, 347.4269

51.4132, 57.1453,
24.7307

117.5536,
128.9544, 71.3924

36.7600, 41.1219,
15.6593

148.2117,
162.0851, 94.8240

25.1945, 28.4143,
9.1317

183.7844,
200.4536, 122.8920

16.3515, 18.6382,
4.7292

224.6371,
244.4443, 156.0149

9.8657, 11.4092,
2.0333

271.1351,
294.4415, 194.6113

5.3716, 6.3428,
0.5756

323.6438,

2.5039, 3.0546,

350.8298, 239.0997

0.0000

382.5285,
413.9935, 289.8987

■ 0.8972, 1.1603,
0.0000

■ 0.0000, 0.0289,
0.0000

■ 69.5197, 76.8689,
36.7643

■ 69.5197, 76.8689,
36.7643

■ 67.0350, 74.4982,
27.9246

■ 72.4185, 79.4360,
47.6897

■ 64.9327, 72.3028,
21.0299


■ 75.7491, 82.1984,
60.8197


■ 63.1858, 70.2745,
15.9301


■ 79.5353, 85.1685,
76.2697


■ 61.7612, 68.3999,
12.4505


■ 83.7971, 88.3545,
94.1460


 60.6190, 66.6630,
10.3819


 87.2382, 91.2379,
107.6205

 59.8017, 65.2450,
9.4417

 88.1962, 93.1539,
107.9398

 89.1705, 95.1025,
108.2646

 90.1610, 97.0836,
108.5948

 90.4278, 97.6172,
108.6837

Harmonies

Analogous

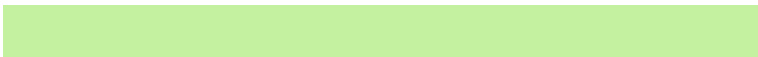
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7095, 76.8689, 38.4728



69.5197, 76.8689, 36.7643



60.2597, 76.8689, 44.9475

Triad

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



69.5197, 76.8689, 36.7643



57.8494, 76.8689, 129.1237



94.9550, 76.8689, 106.7143

Complementary

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



69.5197, 76.8689, 36.7643



38.9034, 35.6031, 88.8257

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.



87.5592, 76.8689, 140.0401



69.5197, 76.8689, 36.7643



65.9128, 76.8689, 155.0824

Square

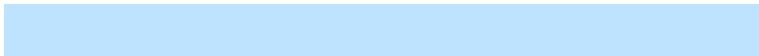
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5197, 76.8689, 36.7643



53.9867, 76.8689, 94.4386



76.7218, 76.8689, 159.5171



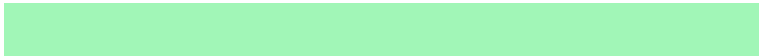
96.1711, 76.8689, 73.8027

Rectangle

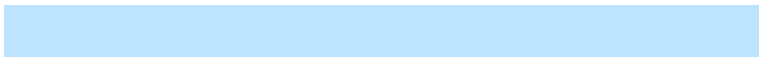
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.5197, 76.8689, 36.7643



56.1440, 76.8689, 56.5129



76.7218, 76.8689, 159.5171



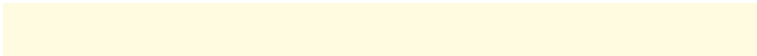
93.0760, 76.8689, 118.4426

Sweetspot

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



69.5216, 76.8724, 36.7659



89.2535, 95.6729, 84.5683



52.2358, 40.6018, 36.2421



18.9790, 20.3817, 17.5859



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

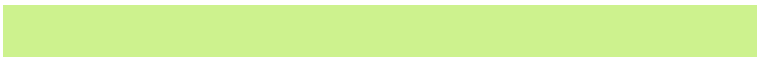
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5216, 76.8724, 36.7659



75.8043, 84.2070, 32.5082



61.9038, 78.4838, 37.4784



16.9375, 18.0881, 16.7484



32.1979, 35.1939, 5.0961



2.7269, 3.0245, 0.4401

Inverse Universe

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



38.9034, 35.6031, 88.8257



36.8604, 31.7373, 98.7909



44.2141, 35.3018, 88.4877



15.0628, 15.5597, 19.9310



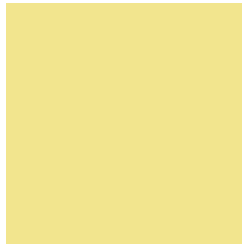
8.9335, 4.0913, 45.4467



0.7954, 0.4447, 3.7981

Previews

White Background



This preview shows how the XYZ color 69.5197, 76.8689, 36.7643 looks on a white background.

Color Contrast Check

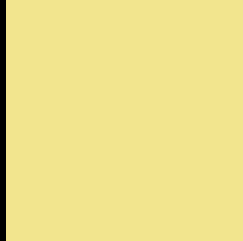
Large Text (above 18pt) WCAG AA × Fail

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 69.5197, 76.8689, 36.7643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

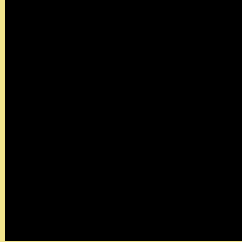
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.5197, 76.8689, 36.7643

Background



This preview shows how black text looks on a background with the XYZ color 69.5197, 76.8689, 36.7643.



This preview shows how white text looks on a background with the XYZ color 69.5197, 76.8689,

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

69.5197, 76.8689, 36.7643

Protanopia

70.9882, 76.8177, 36.2851

Deuteranopia

75.9594, 76.5181, 57.2203



Tritanopia

80.2117, 76.8364, 89.2006

Trichromacy



Original Color

69.5197, 76.8689, 36.7643

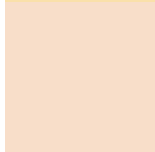
Protanomaly

70.5572, 77.0027, 36.3436



Deuteranomaly

73.3357, 76.5376, 48.9382



Tritanomaly

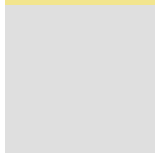
75.3753, 76.4161, 66.0354

Monochromacy



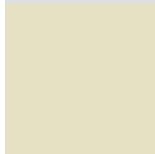
Original Color

69.5197, 76.8689, 36.7643



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

69.2959, 74.5685, 61.7798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5197, 76.8689, 36.7643 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(242, 229, 142)` looks like.

```
.text, #text, p{  
    color:rgb(242, 229, 142)  
}
```

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(242, 229, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 229, 142) }
```

Border

The CSS property to change the border of an element to XYZ 69.5197, 76.8689, 36.7643 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(242, 229, 142) }
```


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

```
.border{ border-color:rgb(242, 229, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 229, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 229, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 229, 142); box-shadow:4px 4px 4px 4px rgb(242, 229, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5197, 76.8689, 36.7643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 229, 142) }
```

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

```
.background{ background-color: rgb(242,  
229, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor