

Converting Colors

XYZ(70.3291, 79.1549, 42.0921)

Have a look what the booklet for
XYZ(70.3291, 79.1549, 42.0921)
contains.

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Color

**XYZ(70.5154, 79.3559,
42.1725)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEE9A
RGB	238, 234, 154
RGB Percent	93%, 92%, 60%
CMY	0.0667, 0.0823, 0.3961
CMYK	0.00, 0.02, 0.35, 0.07
HSL	57°, 71%, 77%
HSV	57°, 35%, 93%
XYZ	70.5154, 79.3559, 42.1725
YIQ	226.0760, 28.0640, -24.0320

Conversions

Conversions Part 2

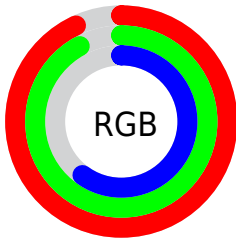
Format	Color
R _Y B	158, 238, 154
Decimal	15657626
CIE Lab	91.40, -10.27, 39.38
CIE LCh	91, 40.694, 104.619
Yxy	79.3559, 0.3672, 0.4132
Android (android.graphics.Color)	4293847706 (0xFFEEEE9A)
YUV	226.0760, -35.5335, 10.4573
Hunter-Lab	89.0819, -14.5965, 34.2887

Details

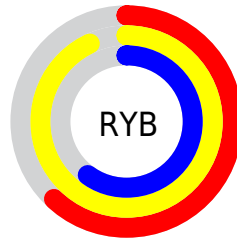
The XYZ color **70.5154, 79.3559, 42.1725** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.9856, 37.4956, 85.9660**, and the grayscale version is **72.5802, 76.3600, 83.1560**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **37.3747, 42.6239, 18.8277** is the 20% darker color. If you saturate the color by 10%, you get **68.4062, 78.0012, 32.6408**, and if you desaturate by 10%, it is **73.0237, 80.8791, 53.7780**.

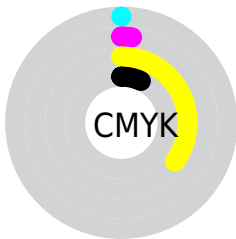
Distribution



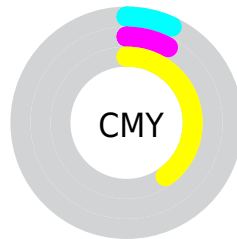
- Red (93%)
- Green (92%)
- Blue (60%)



- Red (62%)
- Yellow (93%)
- Blue (60%)



- Cyan (0%)
- Magenta (2%)
- Yellow (35%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5154, 79.3559, 42.1725 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 70.5154, 79.3559, 42.1725 by changing the saturation by 10% instead.

70.5154, 79.3559,
42.1725

70.5154, 79.3559,
42.1725

451.5958,
492.7595, 371.0183

52.2279, 59.1885,
28.9098

118.9657,
132.4598, 79.7335

37.4118, 42.7649,
18.7676

149.8593,
166.1650, 104.8690

25.7016, 29.7007,
11.3274

185.6856,
205.1517, 134.7990

16.7321, 19.6115,
6.1705

226.8100,
249.8041, 169.9423

10.1378, 12.1130,
2.8786

273.5979,
300.5067, 210.7173

5.5534, 6.8207,
1.0330

326.4146,

2.6135, 3.3502,

357.6439, 257.5427

0.0000

385.6255,
421.6000, 310.8368

■ 0.9528, 1.3172,
0.0000

■ 0.0000, 0.1544,
0.0000

■ 70.5154, 79.3559,
42.1725

■ 70.5154, 79.3559,
42.1725

■ 68.4062, 78.0012,
32.6408

■ 73.0237, 80.8791,
53.7780

■ 66.6667, 76.7949,
25.0548

■ 75.9465, 82.5687,
67.5651

■ 65.2732, 75.7302,
19.2805

■ 79.3058, 84.4361,
83.6402

■ 64.1965, 74.7956,
15.1643

■ 83.1201, 86.4889,
102.1012

■ 63.4027, 73.9773,
12.5277

■ 84.3711, 87.5196,
107.0539

■ 62.8499, 73.2588,
11.1506

■ 84.7046, 88.1867,
107.1651

■ 62.6427, 72.9428,
10.7778

■ 85.0402, 88.8579,
107.2769

■ 85.3779, 89.5333,
107.3895

■ 85.7177, 90.2129,
107.5028

Harmonies

Analogous

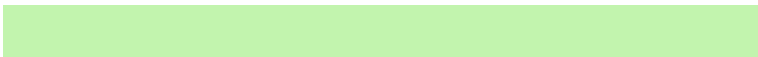
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8253, 79.3559, 42.2941



70.5154, 79.3559, 42.1725



62.2985, 79.3559, 51.8679

Triad

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



70.5154, 79.3559, 42.1725



62.1341, 79.3559, 132.9141



96.2764, 79.3559, 102.4129

Complementary

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



70.5154, 79.3559, 42.1725



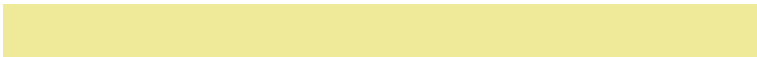
40.9856, 37.4956, 85.9660

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.



90.2777, 79.3559, 133.6289



70.5154, 79.3559, 42.1725



70.2715, 79.3559, 153.7949

Square

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



70.5154, 79.3559, 42.1725



57.7685, 79.3559, 101.5960



80.5582, 79.3559, 154.0829



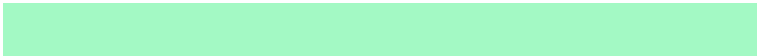
96.3569, 79.3559, 72.8094

Rectangle

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



70.5154, 79.3559, 42.1725



58.8432, 79.3559, 64.2146



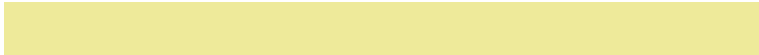
80.5582, 79.3559, 154.0829



94.8624, 79.3559, 113.1962

Sweetspot

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



70.5174, 79.3595, 42.1742



90.4343, 97.4754, 86.6851



53.0048, 43.7647, 38.0929



19.2444, 20.8010, 18.0180



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

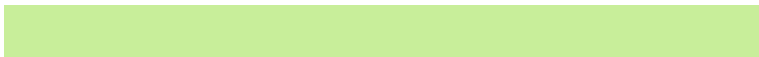
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5174, 79.3595, 42.1742



80.7344, 91.7091, 41.4220



60.2806, 75.7892, 42.0246



17.0548, 18.3226, 16.7875



34.9764, 40.7508, 6.0222



2.9294, 3.4295, 0.5076

Inverse Universe

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



40.9856, 37.4956, 85.9660



41.6346, 36.2864, 99.4173



48.6765, 40.4656, 86.1339



14.9575, 15.3492, 19.8959



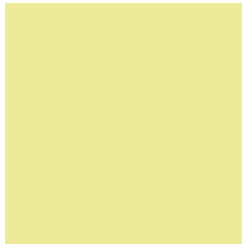
8.7046, 3.6334, 45.3704



0.7452, 0.3444, 3.7814

Previews

White Background



This preview shows how the XYZ color 70.5154, 79.3559, 42.1725 looks on a white background.

Color Contrast Check

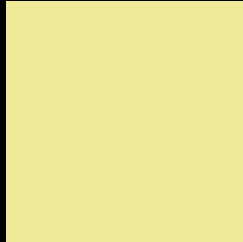
Large Text (above 18pt) WCAG AA × Fail

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 70.5154, 79.3559, 42.1725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

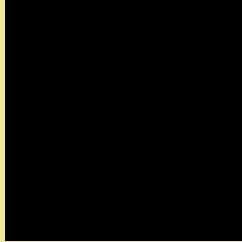
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5154, 79.3559, 42.1725

Background



This preview shows how black text looks on a background with the XYZ color 70.5154, 79.3559, 42.1725.



This preview shows how white text looks on a background with the XYZ color 70.5154, 79.3559,

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

70.5154, 79.3559, 42.1725

Protanopia

73.3887, 79.1846, 41.1219

Deuteranopia

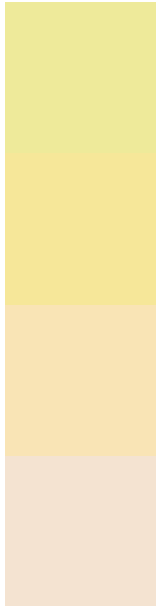
78.1290, 79.0959, 63.3738



Tritanopia

80.9763, 79.0827, 94.2157

Trichromacy



Original Color

70.5154, 79.3559, 42.1725

Protanomaly

72.3317, 79.0446, 41.5818

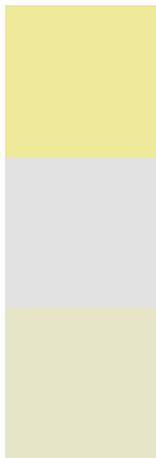
Deuteranomaly

75.1508, 78.9627, 54.9965

Tritanomaly

76.2859, 78.7747, 71.5059

Monochromacy



Original Color

70.5154, 79.3559, 42.1725

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.0778, 77.0317, 65.7660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5154, 79.3559, 42.1725 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, 234, 154)` looks like.

```
.text, #text, p{  
    color:rgb(238, 234, 154)  
}
```

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, 234, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 234, 154) }
```

Border

The CSS property to change the border of an element to XYZ 70.5154, 79.3559, 42.1725 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, 234, 154) }
```


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

```
.border{ border-color:rgb(238, 234, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 234, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 234, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 234, 154);  
box-shadow:4px 4px 4px 4px rgb(238, 234,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5154, 79.3559, 42.1725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 234, 154) }
```

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

```
.background{ background-color: rgb(238,  
234, 154) }
```

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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