

Converting Colors

XYZ(69.7499, 79.3531, 47.5721)

Have a look what the booklet for
XYZ(69.7499, 79.3531, 47.5721)
contains.

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Color

**XYZ(69.8700, 79.3256,
47.7052)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EBA6
RGB	232, 235, 166
RGB Percent	91%, 92%, 65%
CMY	0.0902, 0.0784, 0.3490
CMYK	0.01, 0.00, 0.29, 0.08
HSL	63°, 63%, 79%
HSV	63°, 29%, 92%
XYZ	69.8700, 79.3256, 47.7052
YIQ	226.2370, 20.3610, -22.0950

Conversions

Conversions Part 2

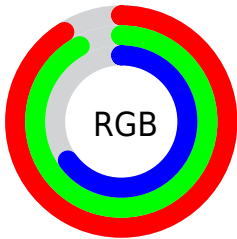
Format	Color
R _Y B	166, 235, 169
Decimal	15264678
CIE Lab	91.38, -11.60, 33.24
CIE LCh	91, 35.203, 109.235
Yxy	79.3256, 0.3548, 0.4029
Android (android.graphics.Color)	4293454758 (0xFFE8EBA6)
YUV	226.2370, -29.6968, 5.0542
Hunter-Lab	89.0649, -15.8332, 30.5884

Details

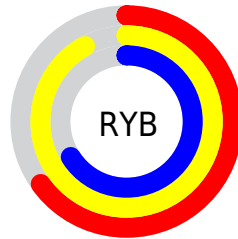
The XYZ color **69.8700, 79.3256, 47.7052** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **44.9967, 41.7076, 84.2805**, and the grayscale version is **72.6598, 76.4438, 83.2473**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **37.0052, 42.6626, 21.9071** is the 20% darker color. If you saturate the color by 10%, you get **67.5778, 78.3732, 37.3549**, and if you desaturate by 10%, it is **72.5621, 80.4437, 60.1335**.

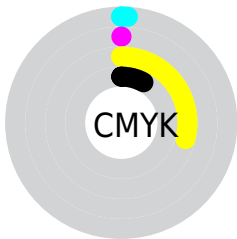
Distribution



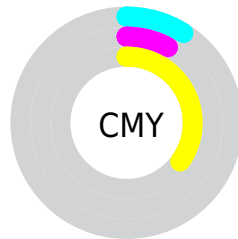
- Red (91%)
- Green (92%)
- Blue (65%)



- Red (65%)
- Yellow (92%)
- Blue (66%)



- Cyan (1%)
- Magenta (0%)
- Yellow (29%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8700, 79.3256, 47.7052 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 69.8700, 79.3256, 47.7052 by changing the saturation by 10% instead.

69.8700, 79.3256,
47.7052

69.8700, 79.3256,
47.7052

449.3670,
492.6571, 394.0974

51.6998, 59.1636,
33.2352

118.0506,
132.4171, 88.1263

36.9891, 42.7448,
22.0341

148.7917,
166.1154, 114.9144

25.3727, 29.6849,
13.6834

184.4539,
205.0946, 146.6456

16.4852, 19.5996,
7.7646

225.4023,
249.7390, 183.7385

9.9611, 12.1043,
3.8591

272.0025,
300.4331, 226.6116

5.4353, 6.8148,
1.5483

324.6198,

2.5422, 3.3465,

357.5612, 275.6834

0.2536

383.6195,
421.5077, 331.3725

■ 0.9166, 1.3152,
0.0000

■ 0.0000, 0.1529,
0.0000

■ 69.8700, 79.3256,
47.7052

■ 69.8700, 79.3256,
47.7052

■ 67.5778, 78.3732,
37.3549

■ 72.5621, 80.4437,
60.1335

■ 65.6580, 77.5672,
28.9645

■ 75.6680, 81.7248,
74.7394

■ 64.0891, 76.9018,
22.4118

■ 79.2081, 83.1798,
91.6219

■ 62.8449, 76.3666,
17.5588

■ 82.3835, 84.4891,
106.5737

61.8955, 75.9494,
14.2481

82.7245, 84.6649,
106.5896

61.2054, 75.6362,
12.2930

83.0675, 84.8417,
106.6057

60.7183, 75.4044,
11.3973

83.4125, 85.0195,
106.6218

60.6898, 75.3907,
11.3532

83.7593, 85.1984,
106.6381

84.1082, 85.3782,
106.6544

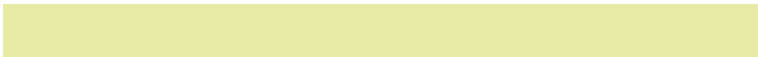
Harmonies

Analogous

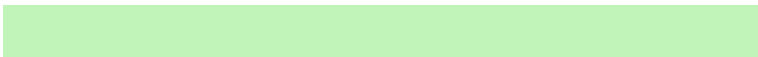
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6558, 79.3256, 46.4486



69.8700, 79.3256, 47.7052



63.1032, 79.3256, 58.0303

Triad

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



69.8700, 79.3256, 47.7052



64.7122, 79.3256, 129.3197



93.5913, 79.3256, 95.9055

Complementary

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



69.8700, 79.3256, 47.7052



44.9967, 41.7076, 84.2805

Split Complementary

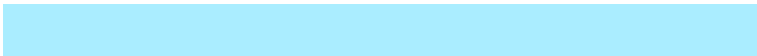
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1912, 79.3256, 122.7022



69.8700, 79.3256, 47.7052



72.2287, 79.3256, 144.3780

Square

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



69.8700, 79.3256, 47.7052



60.2922, 79.3256, 103.6411



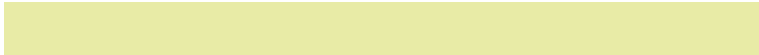
81.2072, 79.3256, 141.7417



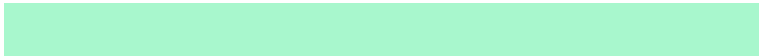
92.8338, 79.3256, 71.1365

Rectangle

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



69.8700, 79.3256, 47.7052



60.4277, 79.3256, 70.0554



81.2072, 79.3256, 141.7417



92.6534, 79.3256, 105.0439

Sweetspot

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



69.8720, 79.3292, 47.7069



91.2058, 98.4199, 90.5711



55.2045, 48.5335, 42.5358



19.3975, 21.0147, 18.7973



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

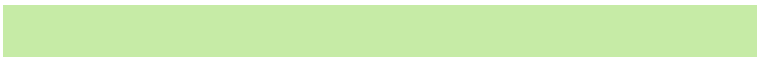
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8720, 79.3292, 47.7069



82.4443, 94.7942, 49.9081



59.9356, 74.2068, 47.2419



16.2833, 17.5916, 16.0560



33.8040, 41.9711, 6.3196



2.6746, 3.3061, 0.4972

Inverse Universe

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



44.9967, 41.7076, 84.2805



48.1401, 42.9073, 100.3524



53.2082, 45.9408, 84.6648



14.2919, 14.5802, 18.9833



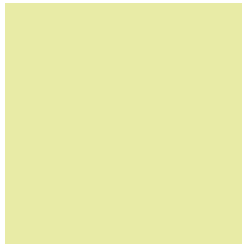
8.4443, 3.3891, 43.9521



0.6845, 0.2772, 3.4523

Previews

White Background



This preview shows how the XYZ color 69.8700, 79.3256, 47.7052 looks on a white background.

Color Contrast Check

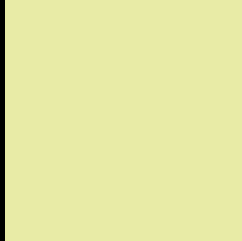
Large Text (above 18pt) WCAG AA × Fail

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 69.8700, 79.3256, 47.7052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

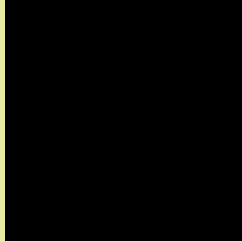
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8700, 79.3256, 47.7052

Background



This preview shows how black text looks on a background with the XYZ color 69.8700, 79.3256, 47.7052.

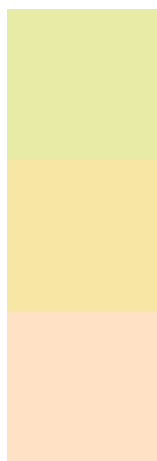


This preview shows how white text looks on a background with the XYZ color 69.8700, 79.3256,

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

69.8700, 79.3256, 47.7052

Protanopia

73.7091, 79.2304, 46.5301

Deuteranopia

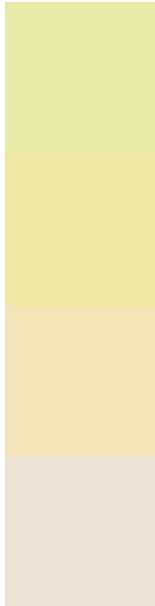
78.3583, 79.1876, 64.5809



Tritanopia

79.7208, 79.1987, 95.8792

Trichromacy



Original Color

69.8700, 79.3256, 47.7052

Protanomaly

72.2661, 79.3071, 47.0963

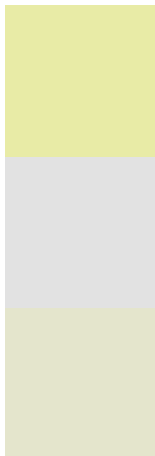
Deuteranomaly

75.2400, 79.3580, 57.8064

Tritanomaly

75.5449, 79.1221, 75.5804

Monochromacy



Original Color

69.8700, 79.3256, 47.7052

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.9133, 76.8922, 68.2309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8700, 79.3256, 47.7052 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, 235, 166)` looks like.

```
.text, #text, p{  
    color:rgb(232, 235, 166)  
}
```

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, 235, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 235, 166) }
```

Border

The CSS property to change the border of an element to XYZ 69.8700, 79.3256, 47.7052 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, 235, 166) }
```


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

```
.border{ border-color:rgb(232, 235, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 235, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 235, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 235, 166); box-shadow:4px 4px 4px 4px rgb(232, 235, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8700, 79.3256, 47.7052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 235, 166) }
```

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

```
.background{ background-color: rgb(232,  
235, 166) }
```

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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