

Converting Colors

XYZ(70.5346, 78.7694, 51.9900)

Have a look what the booklet for
XYZ(70.5346, 78.7694, 51.9900)
contains.

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Color

**XYZ(70.4810, 78.6966,
52.0327)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E9AF
RGB	233, 233, 175
RGB Percent	91%, 91%, 69%
CMY	0.0863, 0.0863, 0.3137
CMYK	0.00, 0.00, 0.25, 0.09
HSL	60°, 57%, 80%
HSV	60°, 25%, 91%
XYZ	70.4810, 78.6966, 52.0327
YIQ	226.3880, 18.6180, -18.0380

Conversions

Conversions Part 2

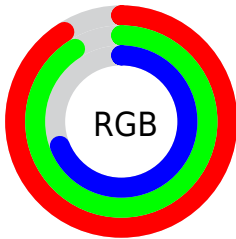
Format	Color
RYB	175, 233, 175
Decimal	15329711
CIELab	91.10, -9.06, 28.29
CIELCh	91, 29.701, 107.758
Yxy	78.6966, 0.3503, 0.3911
Android (android.graphics.Color)	4293519791 (0xFFE9E9AF)
YUV	226.3880, -25.3343, 5.7987
Hunter-Lab	88.7111, -13.4261, 27.3218

Details

The XYZ color **70.4810, 78.6966, 52.0327** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **47.7202, 45.6592, 83.3933**, and the grayscale version is **72.7396, 76.5277, 83.3387**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **37.3665, 42.1965, 24.5877** is the 20% darker color. If you saturate the color by 10%, you get **68.3873, 77.8617, 41.0022**, and if you desaturate by 10%, it is **72.9737, 79.6965, 65.1462**.

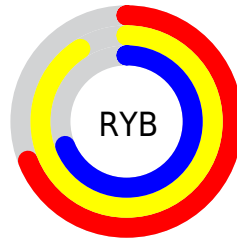
Distribution



Red (91%)

Green (91%)

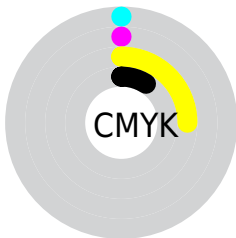
Blue (69%)



Red (69%)

Yellow (91%)

Blue (69%)

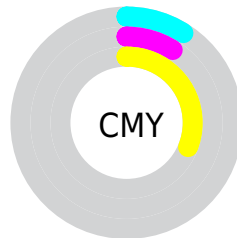


Cyan (0%)

Magenta (0%)

Yellow (25%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4810, 78.6966, 52.0327 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 70.4810, 78.6966, 52.0327 by changing the saturation by 10% instead.

70.4810, 78.6966,
52.0327

70.4810, 78.6966,
52.0327

451.4772,
490.5294, 411.5234

52.1998, 58.6464,
36.6487

118.9170,
131.5316, 94.6065

37.3892, 42.3285,
24.6420

149.8024,
165.0853, 122.6335

25.6841, 29.3586,
15.5939

185.6200,
203.9088, 155.7118

16.7189, 19.3523,
9.0860

226.7351,
248.3867, 194.2601

10.1283, 11.9251,
4.6998

273.5130,
298.9033, 238.6968

5.5470, 6.6927,
2.0166

326.3190,

2.6097, 3.2707,

355.8430, 289.4406

0.5654

385.5187,
419.5902, 346.9099

■ 0.9509, 1.2746,
0.0000

■ 0.0000, 0.1214,
0.0000

■ 70.4810, 78.6966,
52.0327

■ 70.4810, 78.6966,
52.0327

■ 68.3873, 77.8617,
41.0022

■ 72.9737, 79.6965,
65.1462

■ 66.6662, 77.1732,
31.9430


■ 75.8782, 80.8584,
80.4369


■ 65.2976, 76.6257,
24.7404


■ 79.2140, 82.1928,
97.9991


■ 64.2573, 76.2095,
19.2659


■ 80.7980, 82.8265,
106.3363


 63.5176, 75.9135,
15.3749


 80.7987, 82.8268,
106.3364


 63.0467, 75.7251,
12.8991


 80.7995, 82.8272,
106.3364

 62.8054, 75.6284,
11.6321

 80.8003, 82.8276,
106.3364

 62.7392, 75.6019,
11.2859

 80.8010, 82.8280,
106.3365

 80.8018, 82.8284,
106.3365

Harmonies

Analogous

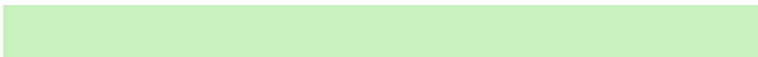
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9021, 78.6966, 51.2976



70.4810, 78.6966, 52.0327



64.6112, 78.6966, 60.7874

Triad

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



70.4810, 78.6966, 52.0327



65.5065, 78.6966, 120.0886



89.8142, 78.6966, 94.7571

Complementary

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



70.4810, 78.6966, 52.0327



47.7202, 45.6592, 83.3933

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.



86.0046, 78.6966, 116.5987



70.4810, 78.6966, 52.0327



71.7790, 78.6966, 132.7811

Square

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



70.4810, 78.6966, 52.0327



61.8741, 78.6966, 98.9277



79.2893, 78.6966, 131.4065



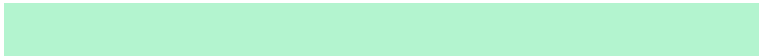
89.4085, 78.6966, 73.6842

Rectangle

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



70.4810, 78.6966, 52.0327



62.2151, 78.6966, 70.9696



79.2893, 78.6966, 131.4065



88.9741, 78.6966, 102.3107

Sweetspot

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



70.4830, 78.7001, 52.0344



92.3073, 98.9029, 94.4608



56.6747, 51.0807, 47.4311



19.7096, 21.1501, 19.9658



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.



70.4830, 78.7001, 52.0344



85.0834, 96.0130, 56.4312



61.7817, 74.2144, 51.6271



16.3518, 17.6269, 16.0592



35.5976, 42.8957, 6.4035



2.7953, 3.3684, 0.5028

Inverse Universe

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



47.7202, 45.6592, 83.3933



52.5469, 48.7853, 101.2547



54.9422, 49.3823, 83.7312



14.2314, 14.5490, 18.9804



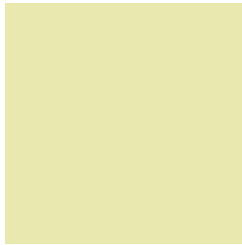
8.3458, 3.3384, 43.9475



0.6554, 0.2622, 3.4509

Previews

White Background



This preview shows how the XYZ color 70.4810, 78.6966, 52.0327 looks on a white background.

Color Contrast Check

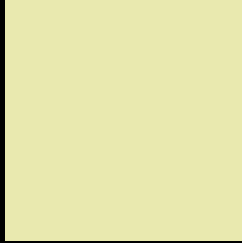
Large Text (above 18pt) WCAG AA × Fail

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 70.4810, 78.6966, 52.0327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

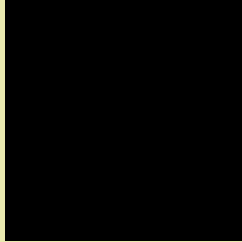
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

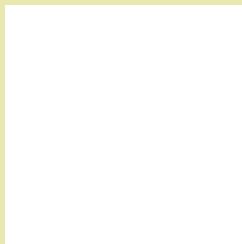
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4810, 78.6966, 52.0327

Background



This preview shows how black text looks on a background with the XYZ color 70.4810, 78.6966, 52.0327.

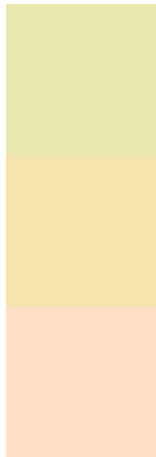


This preview shows how white text looks on a background with the XYZ color 70.4810, 78.6966,

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

70.4810, 78.6966, 52.0327

Protanopia

73.2183, 78.4682, 50.8220

Deuteranopia

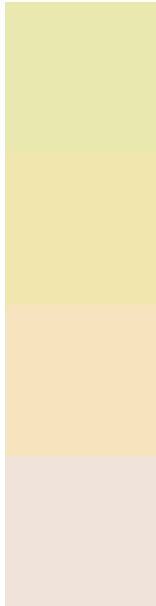
78.2045, 78.6948, 65.1006



Tritanopia

79.3006, 78.5994, 94.9960

Trichromacy



Original Color

70.4810, 78.6966, 52.0327

Protanomaly

72.2124, 78.3504, 51.3615

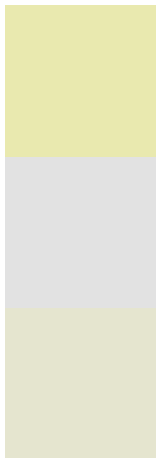
Deuteranomaly

75.1211, 78.4300, 59.8944

Tritanomaly

75.7206, 78.3508, 77.4620

Monochromacy



Original Color

70.4810, 78.6966, 52.0327

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.5949, 77.2016, 70.1594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4810, 78.6966, 52.0327 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(233, 233, 175)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 175)  
}
```

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(233, 233, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 175) }
```

Border

The CSS property to change the border of an element to XYZ 70.4810, 78.6966, 52.0327 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(233, 233, 175) }
```


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

```
.border{ border-color:rgb(233, 233, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 233, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 175);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4810, 78.6966, 52.0327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 175) }
```

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

```
.background{ background-color: rgb(233,  
233, 175) }
```

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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