

Converting Colors

XYZ(69.9136, 76.9998, 50.8718)

Have a look what the booklet for
XYZ(69.9136, 76.9998, 50.8718)
contains.

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Color

**XYZ(70.1006, 77.2729,
50.7556)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE6AD
RGB	235, 230, 173
RGB Percent	92%, 90%, 68%
CMY	0.0784, 0.0980, 0.3216
CMYK	0.00, 0.02, 0.26, 0.08
HSL	55°, 61%, 80%
HSV	55°, 26%, 92%
XYZ	70.1006, 77.2729, 50.7556
YIQ	224.9970, 21.2770, -16.6670

Conversions

Conversions Part 2

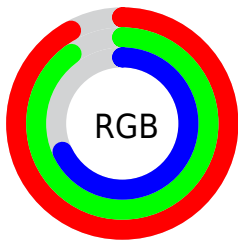
Format	Color
RYB	178, 235, 173
Decimal	15460013
CIELab	90.45, -7.07, 28.46
CIELCh	90, 29.322, 103.960
Yxy	77.2729, 0.3538, 0.3900
Android (android.graphics.Color)	4293650093 (0xFFEBE6AD)
YUV	224.9970, -25.6345, 8.7726
Hunter-Lab	87.9050, -11.4874, 27.3000

Details

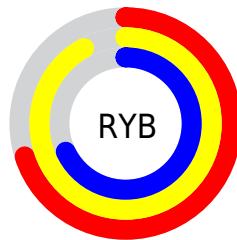
The XYZ color **70.1006, 77.2729, 50.7556** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.1492, 46.7221, 85.0781**, and the grayscale version is **71.7353, 75.4711, 82.1881**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **37.3105, 41.5997, 23.8324** is the 20% darker color. If you saturate the color by 10%, you get **67.5005, 75.3971, 39.6398**, and if you desaturate by 10%, it is **73.1104, 79.3271, 63.9830**.

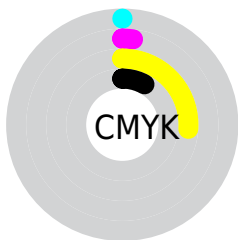
Distribution



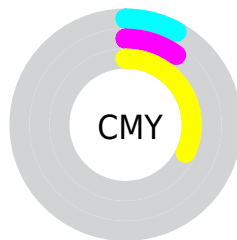
- Red (92%)
- Green (90%)
- Blue (68%)



- Red (70%)
- Yellow (92%)
- Blue (68%)



- Cyan (0%)
- Magenta (2%)
- Yellow (26%)
- Black (8%)



- Cyan (8%)
- Magenta (10%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1006, 77.2729, 50.7556 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 70.1006, 77.2729, 50.7556 by changing the saturation by 10% instead.

70.1006, 77.2729,
50.7556

70.1006, 77.2729,
50.7556

450.1641,
485.6940, 406.4329

51.8884, 57.4769,
35.6388

118.3777,
129.5246, 92.7012

37.1401, 41.3882,
23.8679

149.1733,
162.7491, 120.3671

25.4901, 28.6226,
15.0243

184.8942,
201.2186, 153.0530

16.5733, 18.7955,
8.6897

225.9056,
245.3174, 191.1776

10.0241, 11.5226,
4.4453

272.5730,
295.4300, 235.1593

5.4773, 6.4195,
1.8727

325.2616,

2.5676, 3.1018,

351.9406, 285.4167

0.4753

384.3368,
415.2338, 342.3684

■ 0.9295, 1.1851,
0.0000

■ 0.0000, 0.0495,
0.0000

■ 70.1006, 77.2729,
50.7556

■ 70.1006, 77.2729,
50.7556

■ 67.5005, 75.3971,
39.6398

■ 73.1104, 79.3271,
63.9830

■ 65.2832, 73.6809,
30.5204

■ 76.5433, 81.5571,
79.4194

■ 63.4278, 72.1185,
23.2785

■ 80.4197, 83.9736,
97.1621

■ 61.9090, 70.6998,
17.7810

■ 82.7631, 85.7862,
106.8040

60.6980, 69.4133,
13.8768

83.3159, 86.8918,
106.9883

59.7614, 68.2456,
11.3896

83.8745, 88.0090,
107.1745

59.0571, 67.1798,
10.0985

84.4390, 89.1379,
107.3627

58.8346, 66.8093,
9.7946

85.0092, 90.2785,
107.5528

85.5854, 91.4308,
107.7448

Harmonies

Analogous

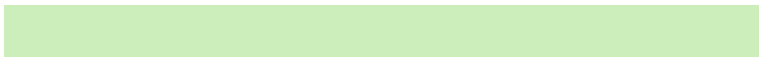
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4053, 77.2729, 51.0265



70.1006, 77.2729, 50.7556



64.0983, 77.2729, 58.3193

Triad

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



70.1006, 77.2729, 50.7556



63.7689, 77.2729, 115.3498



87.8266, 77.2729, 95.7785

Complementary

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



70.1006, 77.2729, 50.7556



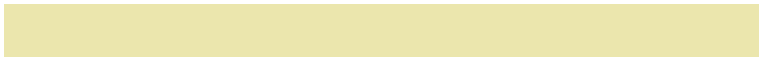
48.1492, 46.7221, 85.0781

Split Complementary

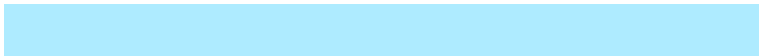
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6601, 77.2729, 116.6314



70.1006, 77.2729, 50.7556



69.6233, 77.2729, 129.1497

Square

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



70.1006, 77.2729, 50.7556



60.6105, 77.2729, 94.2458



76.8953, 77.2729, 129.6543



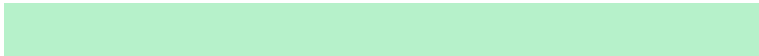
87.9757, 77.2729, 74.7782

Rectangle

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



70.1006, 77.2729, 50.7556



61.5065, 77.2729, 67.6465



76.8953, 77.2729, 129.6543



86.8376, 77.2729, 103.1109

Sweetspot

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



70.1026, 77.2764, 50.7572



91.4156, 97.7110, 92.3366



57.2579, 50.7713, 48.9903



19.4287, 20.8255, 19.1401



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.



70.1026, 77.2764, 50.7572



82.5202, 91.6899, 53.0870



63.5935, 76.0139, 50.8566



16.2421, 17.4072, 16.0226



32.7886, 37.2715, 5.4660



2.6055, 2.9883, 0.4395

Inverse Universe

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



48.1492, 46.7221, 85.0781



51.6881, 48.7818, 101.2993



53.4488, 48.0056, 85.0466



14.3287, 14.7438, 19.0129



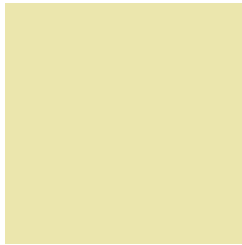
8.5106, 3.6683, 44.0025



0.7022, 0.3558, 3.4665

Previews

White Background



This preview shows how the XYZ color 70.1006, 77.2729, 50.7556 looks on a white background.

Color Contrast Check

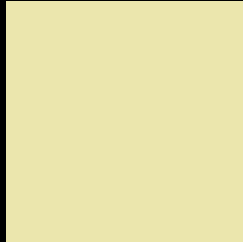
Large Text (above 18pt) WCAG AA × Fail

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 70.1006, 77.2729, 50.7556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

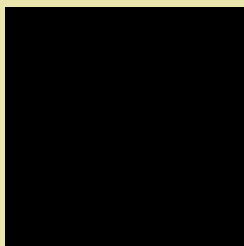
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

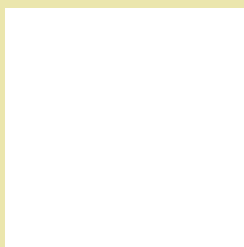
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1006, 77.2729, 50.7556

Background



This preview shows how black text looks on a background with the XYZ color 70.1006, 77.2729, 50.7556.



This preview shows how white text looks on a background with the XYZ color 70.1006, 77.2729,

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

70.1006, 77.2729, 50.7556

Protanopia

72.2237, 77.1498, 50.1145

Deuteranopia

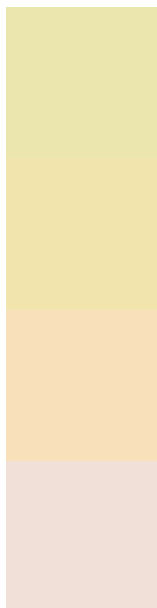
76.8341, 76.8679, 61.8263



Tritanopia

78.3986, 76.9996, 92.3917

Trichromacy



Original Color

70.1006, 77.2729, 50.7556

Protanomaly

71.4654, 77.1661, 50.1576

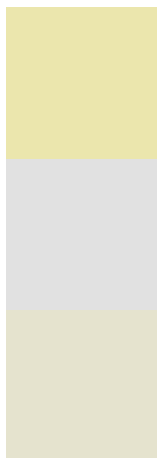
Deuteranomaly

74.2300, 76.8129, 57.3684

Tritanomaly

74.8566, 76.7429, 75.1575

Monochromacy



Original Color

70.1006, 77.2729, 50.7556

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.9228, 76.0524, 69.3341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1006, 77.2729, 50.7556 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(235, 230, 173)` looks like.

```
.text, #text, p{  
    color:rgb(235, 230, 173)  
}
```

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(235, 230, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 230, 173) }
```

Border

The CSS property to change the border of an element to XYZ 70.1006, 77.2729, 50.7556 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(235, 230, 173) }
```


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

```
.border{ border-color:rgb(235, 230, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 230, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 230, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 230, 173);  
box-shadow:4px 4px 4px 4px rgb(235, 230,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1006, 77.2729, 50.7556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 230, 173) }
```

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

```
.background{ background-color: rgb(235,  
230, 173) }
```

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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