

Converting Colors

XYZ(69.9314, 77.2043, 68.9118)

Have a look what the booklet for
XYZ(69.9314, 77.2043, 68.9118)
contains.

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Color

**XYZ(70.0268, 77.2476,
68.9771)**

Conversions

Conversions Part 1

Format	Color
Hex	DFE7CD
RGB	223, 231, 205
RGB Percent	87%, 91%, 80%
CMY	0.1255, 0.0941, 0.1961
CMYK	0.03, 0.00, 0.11, 0.09
HSL	78°, 35%, 85%
HSV	78°, 11%, 91%
XYZ	70.0268, 77.2476, 68.9771
YIQ	225.6440, 3.5780, -9.7820

Conversions

Conversions Part 2

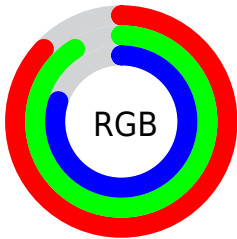
Format	Color
RYB	205, 231, 213
Decimal	14673869
CIELab	90.44, -7.18, 11.74
CIELCh	90, 13.763, 121.457
Yxy	77.2476, 0.3238, 0.3572
Android (android.graphics.Color)	4292863949 (0xFFDFE7CD)
YUV	225.6440, -10.1775, -2.3188
Hunter-Lab	87.8906, -11.5888, 14.9923

Details

The XYZ color **70.0268, 77.2476, 68.9771** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.6987, 63.5804, 84.5204**, and the grayscale version is **72.1028, 75.8578, 82.6091**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0643, 41.2191, 35.2807** is the 20% darker color. If you saturate the color by 10%, you get **65.2973, 75.1105, 55.2587**, and if you desaturate by 10%, it is **75.2643, 79.6036, 84.8715**.

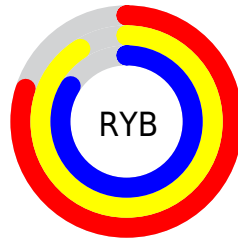
Distribution



Red (87%)

Green (91%)

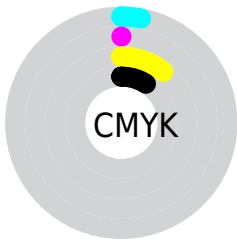
Blue (80%)



Red (80%)

Yellow (91%)

Blue (84%)

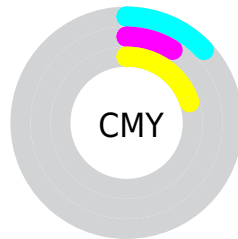


Cyan (3%)

Magenta (0%)

Yellow (11%)

Black (9%)



Cyan (13%)

Magenta (9%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0268, 77.2476, 68.9771 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 70.0268, 77.2476, 68.9771 by changing the saturation by 10% instead.

70.0268, 77.2476,
68.9771

70.0268, 77.2476,
68.9771

449.9090,
485.6078, 475.6420

51.8281, 57.4561,
50.2214

118.2730,
129.4889, 119.4163

37.0918, 41.3716,
35.2169

149.0512,
162.7076, 151.9368

25.4525, 28.6095,
23.5452

184.7533,
201.1707, 189.8828

16.5451, 18.7856,
14.7875

225.7446,
245.2628, 233.6726

10.0040, 11.5155,
8.5254

272.3905,
295.3681, 283.7249

5.4639, 6.4147,
4.3404

325.0562,

2.5594, 3.0988,

351.8711, 340.4582

1.8139

384.1073,
415.1562, 404.2910

■ 0.9253, 1.1835,
0.4371

■ 0.0000, 0.0482,
0.0000

■ 70.0268, 77.2476,
68.9771

■ 70.0268, 77.2476,
68.9771

■ 65.2973, 75.1105,
55.2587

■ 75.2643, 79.6036,
84.8715

■ 61.0503, 73.1744,
43.6167

■ 81.0215, 82.1757,
103.0258

■ 57.2677, 71.4344,
33.9509

■ 84.0515, 83.6678,
106.3272

■ 53.9272, 69.8815,
26.1511

■ 86.5714, 84.9668,
106.4452

■ 51.0047, 68.5059,
20.0962

■ 87.8675, 85.6349,
106.5058

■ 48.4734, 67.2967,
15.6508

■ 46.3025, 66.2415,
12.6598

■ 44.4554, 65.3255,
10.9371

■ 43.0542, 64.6180,
10.2033

Harmonies

Analogous

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



73.2536, 77.2476, 66.5741



70.0268, 77.2476, 68.9771



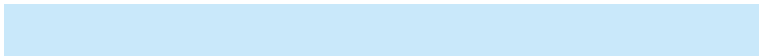
67.7684, 77.2476, 75.3873

Triad

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



70.0268, 77.2476, 68.9771



70.3092, 77.2476, 101.8533



80.2274, 77.2476, 83.6291

Complementary

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



70.0268, 77.2476, 68.9771



63.6987, 63.5804, 84.5204

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.



79.3806, 77.2476, 93.4798



70.0268, 77.2476, 68.9771



73.5897, 77.2476, 104.4818

Square

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



70.0268, 77.2476, 68.9771



67.9278, 77.2476, 94.3771



76.9242, 77.2476, 101.3075



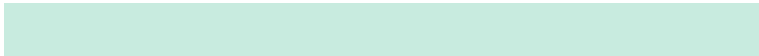
79.2037, 77.2476, 74.6150

Rectangle

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



70.0268, 77.2476, 68.9771



67.0789, 77.2476, 81.3296



76.9242, 77.2476, 101.3075



80.1519, 77.2476, 86.9521

Sweetspot

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



70.0289, 77.2510, 68.9788



92.9815, 99.0731, 102.5015



67.7212, 68.8871, 67.4860



19.7857, 21.1536, 21.5828



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.



70.0289, 77.2510, 68.9788



85.8977, 95.8853, 81.2055



66.2332, 75.2942, 68.8011



15.1473, 16.5830, 15.3069



24.2679, 36.2921, 5.7260



1.8872, 2.7303, 0.4275

Inverse Universe

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



63.6987, 63.5804, 84.5204



76.1859, 74.9106, 105.0515



67.5592, 65.5706, 84.7011



13.9980, 14.1012, 18.1284



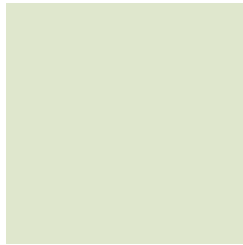
9.6588, 4.0452, 42.6549



0.8061, 0.3465, 3.1564

Previews

White Background



This preview shows how the XYZ color 70.0268, 77.2476, 68.9771 looks on a white background.

Color Contrast Check

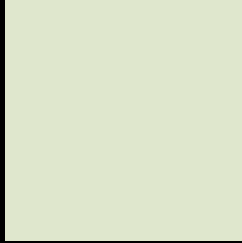
Large Text (above 18pt) WCAG AA × Fail

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 70.0268, 77.2476, 68.9771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

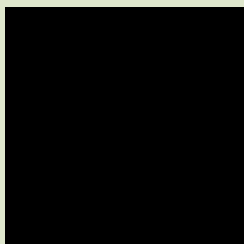
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

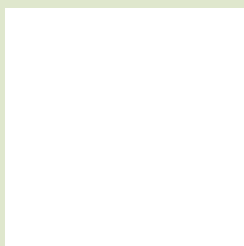
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0268, 77.2476, 68.9771

Background



This preview shows how black text looks on a background with the XYZ color 70.0268, 77.2476, 68.9771.

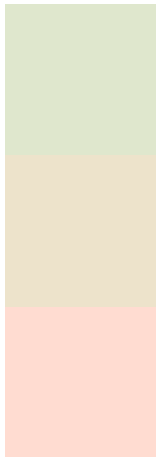


This preview shows how white text looks on a background with the XYZ color 70.0268, 77.2476,

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

70.0268, 77.2476, 68.9771

Protanopia

73.1736, 77.2545, 67.5549

Deuteranopia

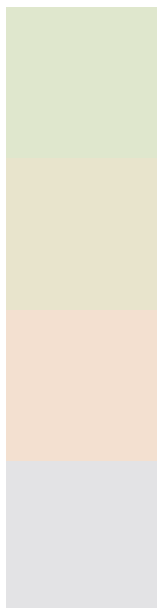
78.3418, 77.0498, 71.0646



Tritanopia

75.4160, 76.9795, 95.6777

Trichromacy



Original Color

70.0268, 77.2476, 68.9771

Protanomaly

71.9212, 77.0022, 68.1990

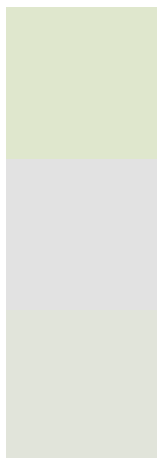
Deuteranomaly

75.0030, 76.9201, 70.5685

Tritanomaly

73.2905, 76.9262, 85.1142

Monochromacy



Original Color

70.0268, 77.2476, 68.9771

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.4496, 76.5563, 77.3407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0268, 77.2476, 68.9771 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(223, 231, 205)` looks like.

```
.text, #text, p{  
    color:rgb(223, 231, 205)  
}
```

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(223, 231, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 231, 205) }
```

Border

The CSS property to change the border of an element to XYZ 70.0268, 77.2476, 68.9771 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(223, 231, 205) }
```


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

```
.border{ border-color:rgb(223, 231, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 231, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 231, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 231, 205);  
box-shadow:4px 4px 4px 4px rgb(223, 231,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0268, 77.2476, 68.9771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 231, 205) }
```

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

```
.background{ background-color: rgb(223,  
231, 205) }
```

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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