

Converting Colors

XYZ(71.6564, 76.8521, 66.8621)

Have a look what the booklet for
XYZ(71.6564, 76.8521, 66.8621)
contains.

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Color

**XYZ(71.6828, 76.9069,
66.9435)**

Conversions

Conversions Part 1

Format	Color
Hex	E8E4CA
RGB	232, 228, 202
RGB Percent	91%, 89%, 79%
CMY	0.0902, 0.1059, 0.2078
CMYK	0.00, 0.02, 0.13, 0.09
HSL	52°, 39%, 85%
HSV	52°, 13%, 91%
XYZ	71.6828, 76.9069, 66.9435
YIQ	226.2320, 10.7300, -7.2380

Conversions

Conversions Part 2

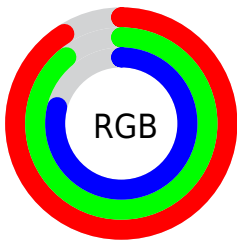
Format	Color
RYB	207, 232, 202
Decimal	15262922
CIELab	90.28, -2.97, 13.18
CIElCh	90, 13.507, 102.724
Yxy	76.9069, 0.3326, 0.3568
Android (android.graphics.Color)	4293453002 (0xFFE8E4CA)
YUV	226.2320, -11.9464, 5.0585
Hunter-Lab	87.6966, -7.5639, 16.1284

Details

The XYZ color **71.6828, 76.9069, 66.9435** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.9938, 62.5242, 85.1983**, and the grayscale version is **72.5367, 76.3142, 83.1062**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1934, 41.2554, 33.9670** is the 20% darker color. If you saturate the color by 10%, you get **68.2982, 74.2077, 53.2665**, and if you desaturate by 10%, it is **75.4998, 79.8085, 82.8039**.

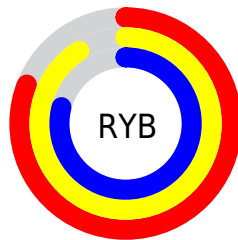
Distribution



Red (91%)

Green (89%)

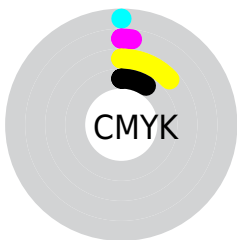
Blue (79%)



Red (81%)

Yellow (91%)

Blue (79%)

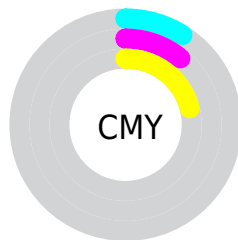


Cyan (0%)

Magenta (2%)

Yellow (13%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6828, 76.9069, 66.9435 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 71.6828, 76.9069, 66.9435 by changing the saturation by 10% instead.

71.6828, 76.9069,
66.9435

71.6828, 76.9069,
66.9435

455.6116,
484.4465, 468.2396

53.1841, 57.1765,
48.5774

120.6187,
129.0081, 116.4793

38.1779, 41.1469,
33.9211

151.7866,
162.1476, 148.4861

26.2986, 28.4339,
22.5561

187.9084,
200.5256, 185.8769

17.1810, 18.6530,
14.0639

229.3493,
244.5264, 229.0703

10.4597, 11.4198,
8.0259

276.4747,
294.5346, 278.4847

5.7694, 6.3500,
4.0235

329.6500,

2.7447, 3.0590,

350.9344, 334.5387

1.6382

389.2405,
414.1102, 397.6508

■ 1.0202, 1.1626,
0.3179

■ 0.0000, 0.0309,
0.0000

■ 71.6828, 76.9069,
66.9435

■ 71.6828, 76.9069,
66.9435

■ 68.2982, 74.2077,
53.2665

■ 75.4998, 79.8085,
82.8039

■ 65.3212, 71.6931,
41.6712

■ 79.7603, 82.9094,
100.9335

■ 62.7343, 69.3587,
32.0552

■ 81.6928, 85.1036,
106.7287

■ 60.5157, 67.1955,
24.3054

■ 82.5965, 86.9110,
107.0299

■ 58.6418, 65.1939,
18.2973

■ 83.5157, 88.7494,
107.3363

■ 57.0860, 63.3433,
13.8913

■ 84.4505, 90.6189,
107.6479

■ 55.8177, 61.6312,
10.9262

■ 85.4009, 92.5197,
107.9647

■ 54.7996, 60.0427,
9.2072

■ 86.3670, 94.4520,
108.2868

■ 54.1899, 58.9777,
8.5277

■ 87.0890, 95.8960,
108.5274

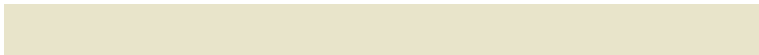
Harmonies

Analogous

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



75.0347, 76.9069, 67.2719



71.6828, 76.9069, 66.9435



68.7981, 76.9069, 70.8585

Triad

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



71.6828, 76.9069, 66.9435



68.4499, 76.9069, 96.9408



79.4472, 76.9069, 89.3589

Complementary

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



71.6828, 76.9069, 66.9435



60.9938, 62.5242, 85.1983

Split Complementary

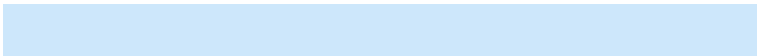
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5728, 76.9069, 98.0919



71.6828, 76.9069, 66.9435



71.1943, 76.9069, 102.6943

Square

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



71.6828, 76.9069, 66.9435



66.9704, 76.9069, 87.8837



74.5311, 76.9069, 103.1310



79.5878, 76.9069, 79.7258

Rectangle

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



71.6828, 76.9069, 66.9435



67.5002, 76.9069, 75.5359



74.5311, 76.9069, 103.1310



78.9964, 76.9069, 92.5145

Sweetspot

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



71.6849, 76.9103, 66.9451



93.0191, 98.4967, 100.3353



65.5407, 63.8541, 67.2643



19.8303, 21.0228, 21.1420



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.



71.6849, 76.9103, 66.9451



87.4542, 94.2273, 77.3307



69.3369, 77.3504, 67.1539



15.4293, 16.4725, 15.2708



30.1512, 32.8765, 4.7567



2.2737, 2.5207, 0.3667

Inverse Universe

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



60.9938, 62.5242, 85.1983



71.3371, 72.5405, 104.8496



63.1275, 62.2145, 85.0260



13.7368, 14.1950, 18.1602



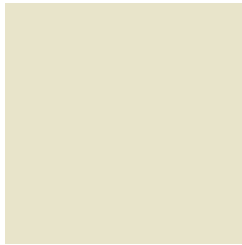
8.4081, 3.8784, 42.6886



0.6713, 0.3865, 3.1712

Previews

White Background



This preview shows how the XYZ color 71.6828, 76.9069, 66.9435 looks on a white background.

Color Contrast Check

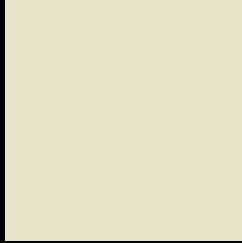
Large Text (above 18pt) WCAG AA × Fail

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 71.6828, 76.9069, 66.9435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

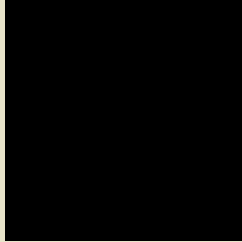
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

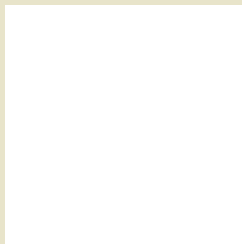
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6828, 76.9069, 66.9435

Background



This preview shows how black text looks on a background with the XYZ color 71.6828, 76.9069, 66.9435.

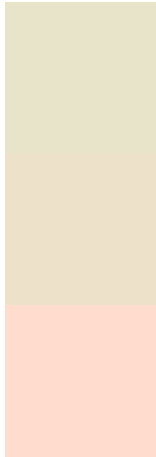


This preview shows how white text looks on a background with the XYZ color 71.6828, 76.9069,

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

71.6828, 76.9069, 66.9435

Protanopia

72.6640, 76.6143, 66.2166

Deuteranopia

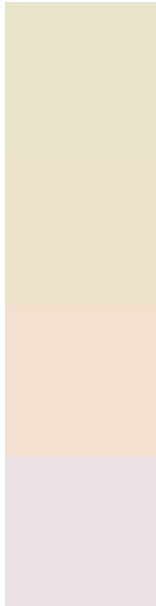
77.9738, 76.9026, 69.1266



Tritanopia

77.0409, 77.0711, 93.2538

Trichromacy



Original Color

71.6828, 76.9069, 66.9435

Protanomaly

72.2727, 76.8174, 66.2764

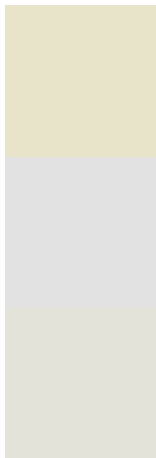
Deuteranomaly

75.7649, 76.9573, 68.6186

Tritanomaly

74.9136, 77.0036, 82.8663

Monochromacy



Original Color

71.6828, 76.9069, 66.9435

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.9884, 76.4419, 76.6062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6828, 76.9069, 66.9435 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, 228, 202)` looks like.

```
.text, #text, p{  
    color:rgb(232, 228, 202)  
}
```

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, 228, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 228, 202) }
```

Border

The CSS property to change the border of an element to XYZ 71.6828, 76.9069, 66.9435 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, 228, 202) }
```


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

```
.border{ border-color:rgb(232, 228, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 228, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 228, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 228, 202);  
box-shadow:4px 4px 4px 4px rgb(232, 228,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6828, 76.9069, 66.9435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 228, 202) }
```

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

```
.background{ background-color: rgb(232,  
228, 202) }
```

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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