

Converting Colors

XYZ(70.2230, 76.3517, 61.2493)

Have a look what the booklet for
XYZ(70.2230, 76.3517, 61.2493)
contains.

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Color

**XYZ(70.3240, 76.3260,
61.4780)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E4C1
RGB	231, 228, 193
RGB Percent	91%, 89%, 76%
CMY	0.0941, 0.1059, 0.2431
CMYK	0.00, 0.01, 0.16, 0.09
HSL	55°, 44%, 83%
HSV	55°, 16%, 91%
XYZ	70.3240, 76.3260, 61.4780
YIQ	224.9070, 13.0230, -10.2490

Conversions

Conversions Part 2

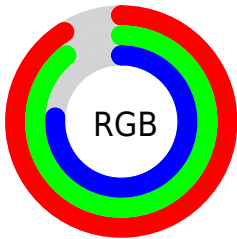
Format	Color
R_{YB}	196, 231, 193
Decimal	15197377
CIE _{Lab}	90.01, -4.71, 17.47
CIE _{LCh}	90, 18.097, 105.095
Yxy	76.3260, 0.3379, 0.3667
Android (android.graphics.Color)	4293387457 (0xFFE7E4C1)
YUV	224.9070, -15.7302, 5.3436
Hunter-Lab	87.3648, -9.2053, 19.4333

Details

The XYZ color **70.3240, 76.3260, 61.4780** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.1558, 56.5855, 83.5641**, and the grayscale version is **71.6058, 75.3349, 82.0397**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **37.2830, 40.8652, 30.3488** is the 20% darker color. If you saturate the color by 10%, you get **67.4484, 74.3811, 48.7836**, and if you desaturate by 10%, it is **73.6115, 78.4492, 76.2973**.

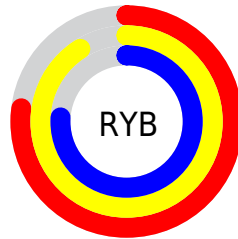
Distribution



Red (91%)

Green (89%)

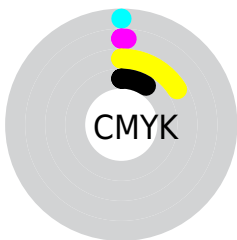
Blue (76%)



Red (77%)

Yellow (91%)

Blue (76%)

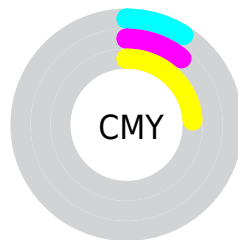


Cyan (0%)

Magenta (1%)

Yellow (16%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3240, 76.3260, 61.4780 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 70.3240, 76.3260, 61.4780 by changing the saturation by 10% instead.

70.3240, 76.3260,
61.4780

70.3240, 76.3260,
61.4780

450.9355,
482.4629, 447.9794

52.0713, 56.6999,
44.1780

118.6944,
128.1876, 108.5350

37.2864, 40.7643,
30.4722

149.5429,
161.1919, 139.1291

25.6040, 28.1350,
19.9422

185.3205,
199.4243, 174.9916

16.6587, 18.4274,
12.1694

226.3929,
243.2694, 216.5410

10.0853, 11.2573,
6.7352

273.1252,
293.1113, 264.1960

5.5182, 6.2402,
3.2211

325.8828,

2.5923, 2.9917,

349.3346, 318.3751

1.2086

385.0311,
412.3237, 379.4967

0.9420, 1.1274,
0.0000

0.0000, 0.0012,
0.0000

70.3240, 76.3260,
61.4780

70.3240, 76.3260,
61.4780

67.4484, 74.3811,
48.7836

73.6115, 78.4492,
76.2973

64.9599, 72.5970,
38.1111

77.3223, 80.7476,
93.3284

62.8405, 70.9689,
29.3563

80.2766, 82.7518,
106.3494

61.0682, 69.4880,
22.4037

80.7960, 83.7907,
106.5226

■ 59.6188, 68.1445,
17.1254

■ 81.3208, 84.8402,
106.6975

■ 58.4647, 66.9275,
13.3766

■ 81.8509, 85.9004,
106.8742

■ 57.5737, 65.8241,
10.9881

■ 82.3864, 86.9714,
107.0527

■ 56.9056, 64.8180,
9.7474

■ 82.9272, 88.0531,
107.2330

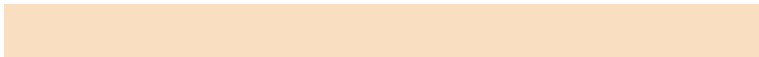
■ 56.6980, 64.4746,
9.4565

■ 83.4735, 89.1457,
107.4151

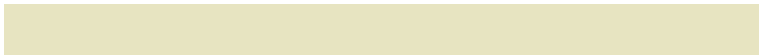
Harmonies

Analogous

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



74.7854, 76.3260, 61.4607



70.3240, 76.3260, 61.4780



66.6103, 76.3260, 66.8692

Triad

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



70.3240, 76.3260, 61.4780



66.6293, 76.3260, 101.8450



81.1979, 76.3260, 89.6188

Complementary

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



70.3240, 76.3260, 61.4780



56.1558, 56.5855, 83.5641

Split Complementary

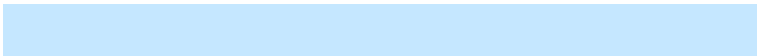
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8234, 76.3260, 101.7790



70.3240, 76.3260, 61.4780



70.3510, 76.3260, 109.3163

Square

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



70.3240, 76.3260, 61.4780



64.5376, 76.3260, 89.7017



74.8134, 76.3260, 109.2909



81.1900, 76.3260, 76.8419

Rectangle

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



70.3240, 76.3260, 61.4780



65.0051, 76.3260, 73.1379



74.8134, 76.3260, 109.2909



80.6477, 76.3260, 93.9411

Sweetspot

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



70.3260, 76.3294, 61.4796



92.7449, 98.5664, 98.3384



62.0085, 59.1230, 60.4688



19.7842, 21.0551, 20.7429



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.



70.3260, 76.3294, 61.4796



86.6302, 94.6019, 70.8208



66.2755, 75.4750, 61.5282



15.4993, 16.6126, 15.2941



31.8280, 36.2302, 5.3156



2.3810, 2.7353, 0.4025

Inverse Universe

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



56.1558, 56.5855, 83.5641



65.5124, 65.1785, 103.7356



59.7420, 57.4415, 83.5403



13.6736, 14.0687, 18.1392



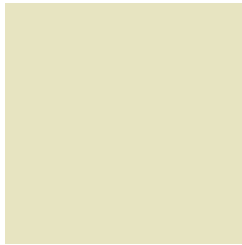
8.2441, 3.5504, 42.6339



0.6412, 0.3263, 3.1612

Previews

White Background



This preview shows how the XYZ color 70.3240, 76.3260, 61.4780 looks on a white background.

Color Contrast Check

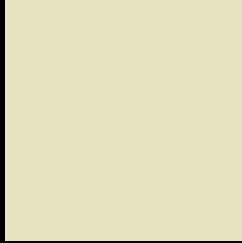
Large Text (above 18pt) WCAG AA × Fail

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 70.3240, 76.3260, 61.4780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

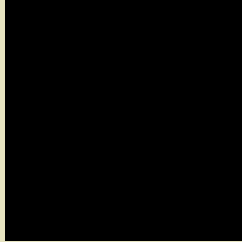
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

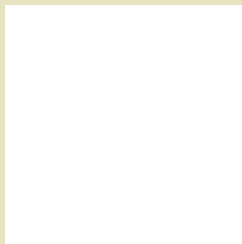
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.3240, 76.3260, 61.4780

Background



This preview shows how black text looks on a background with the XYZ color 70.3240, 76.3260, 61.4780.



This preview shows how white text looks on a background with the XYZ color 70.3240, 76.3260,

61.4780.

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

70.3240, 76.3260, 61.4780

Protanopia

71.9707, 76.3756, 60.8179

Deuteranopia

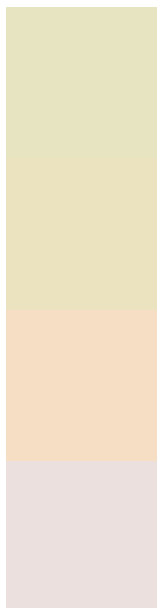
76.9968, 76.0932, 65.2729



Tritanopia

76.6263, 76.4791, 92.3847

Trichromacy



Original Color

70.3240, 76.3260, 61.4780

Protanomaly

71.2445, 76.4061, 60.8620

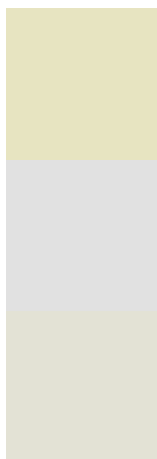
Deuteranomaly

74.2054, 75.8666, 63.5560

Tritanomaly

74.1014, 76.2474, 79.9189

Monochromacy



Original Color

70.3240, 76.3260, 61.4780

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.8852, 75.5277, 73.7930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3240, 76.3260, 61.4780 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(231, 228, 193)` looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 193)  
}
```

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(231, 228, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 193) }
```

Border

The CSS property to change the border of an element to XYZ 70.3240, 76.3260, 61.4780 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(231, 228, 193) }
```


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

```
.border{ border-color:rgb(231, 228, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 228, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 228, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 228, 193); box-shadow:4px 4px 4px 4px rgb(231, 228, 193) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3240, 76.3260, 61.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 228, 193) }
```

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

```
.background{ background-color: rgb(231,  
228, 193) }
```

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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