

Converting Colors

XYZ(70.0471, 77.4410, 61.4933)

Have a look what the booklet for
XYZ(70.0471, 77.4410, 61.4933)
contains.

XYZ(70.1965, 77.4961, 61.7106)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.1965, 77.4961,
61.7106)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E7C1
RGB	228, 231, 193
RGB Percent	89%, 91%, 76%
CMY	0.1059, 0.0941, 0.2431
CMYK	0.01, 0.00, 0.16, 0.09
HSL	65°, 44%, 83%
HSV	65°, 16%, 91%
XYZ	70.1965, 77.4961, 61.7106
YIQ	225.7710, 10.4100, -12.4540

Conversions

Conversions Part 2

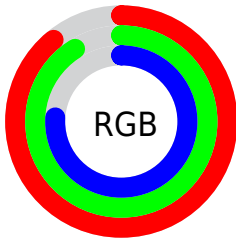
Format	Color
R_{YB}	193, 231, 196
Decimal	15001537
CIE _{Lab}	90.55, -7.31, 18.19
CIE _{LCh}	91, 19.607, 111.888
Y _{xy}	77.4961, 0.3352, 0.3701
Android (android.graphics.Color)	4293191617 (0xFFE4E7C1)
YUV	225.7710, -16.1561, 1.9548
Hunter-Lab	88.0319, -11.7201, 20.0598

Details

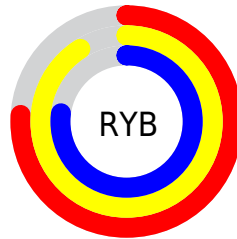
The XYZ color **70.1965, 77.4961, 61.7106** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.2618, 55.6473, 83.3813**, and the grayscale version is **72.2328, 75.9946, 82.7581**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **37.0034, 41.2947, 30.4465** is the 20% darker color. If you saturate the color by 10%, you get **67.2426, 76.2505, 49.1551**, and if you desaturate by 10%, it is **73.5632, 78.9127, 76.3897**.

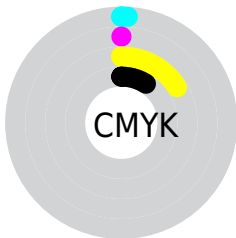
Distribution



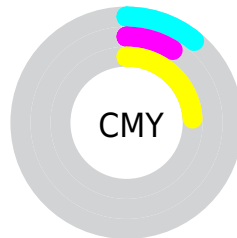
- Red (89%)
- Green (91%)
- Blue (76%)



- Red (76%)
- Yellow (91%)
- Blue (77%)



- Cyan (1%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1965, 77.4961, 61.7106 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 70.1965, 77.4961, 61.7106 by changing the saturation by 10% instead.

70.1965, 77.4961,
61.7106

70.1965, 77.4961,
61.7106

450.4953,
486.4538, 448.8531

51.9669, 57.6601,
44.3646

118.5137,
129.8395, 108.8747

37.2029, 41.5355,
30.6180

149.3320,
163.1158, 139.5299

25.5390, 28.7377,
20.0521

185.0772,
201.6410, 175.4586

16.6099, 18.8825,
12.2485

226.1148,
245.7994, 217.0793

10.0504, 11.5854,
6.7885

272.8101,
295.9755, 264.8105

5.4949, 6.4620,
3.2538

325.5283,

2.5782, 3.1280,

352.5537, 319.0709

1.2256

384.6349,
415.9183, 380.2789

■ 0.9348, 1.1989,
0.0000

■ 0.0000, 0.0608,
0.0000

■ 70.1965, 77.4961,
61.7106

■ 70.1965, 77.4961,
61.7106

■ 67.2426, 76.2505,
49.1551

■ 73.5632, 78.9127,
76.3897

■ 64.6767, 75.1583,
38.6201


■ 77.3540, 80.4970,
93.2792


■ 62.4808, 74.2147,
30.0013


■ 80.3889, 81.7797,
106.1558


■ 60.6328, 73.4111,
23.1834


■ 80.9899, 82.0895,
106.1840


 59.1085, 72.7376,
18.0383


 81.5972, 82.4026,
106.2124


 57.8804, 72.1832,
14.4214


 82.2107, 82.7188,
106.2411


 56.9163, 71.7352,
12.1635

 82.8304, 83.0383,
106.2701

 56.1759, 71.3773,
11.0518

 83.4563, 83.3610,
106.2994

 55.9428, 71.2624,
10.8065

 84.0885, 83.6869,
106.3290

Harmonies

Analogous

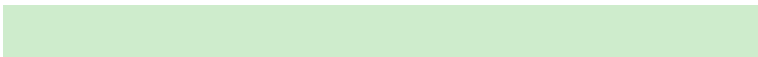
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9970, 77.4961, 60.3591



70.1965, 77.4961, 61.7106



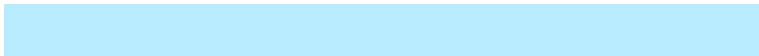
66.4816, 77.4961, 68.7789

Triad

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



70.1965, 77.4961, 61.7106



67.9872, 77.4961, 107.4732



83.3975, 77.4961, 88.2503

Complementary

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



70.1965, 77.4961, 61.7106



56.2618, 55.6473, 83.3813

Split Complementary

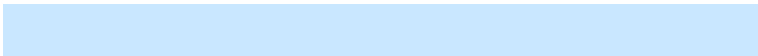
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3325, 77.4961, 102.1783



70.1965, 77.4961, 61.7106



72.3345, 77.4961, 114.0536

Square

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



70.1965, 77.4961, 61.7106



65.2461, 77.4961, 94.8583



77.2309, 77.4961, 112.0154



82.7630, 77.4961, 74.7034

Rectangle

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



70.1965, 77.4961, 61.7106



65.0502, 77.4961, 76.2564



77.2309, 77.4961, 112.0154



82.9929, 77.4961, 93.0611

Sweetspot

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



70.1986, 77.4995, 61.7123



92.6947, 99.0151, 98.4277



62.2180, 60.1109, 58.7765



19.7720, 21.1646, 20.7647



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.



70.1986, 77.4995, 61.7123



86.4310, 96.3828, 71.1751



64.6311, 74.6294, 61.4517



15.4833, 16.7562, 15.3227



31.4097, 39.9738, 6.0602



2.3546, 2.9712, 0.4494

Inverse Universe

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



56.2618, 55.6473, 83.3813



65.6644, 63.8203, 103.4654



61.3837, 58.2878, 83.6210



13.6879, 13.9413, 18.1138



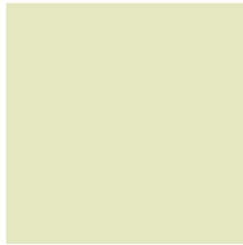
8.2691, 3.3288, 42.5899



0.6480, 0.2650, 3.1490

Previews

White Background



This preview shows how the XYZ color 70.1965, 77.4961, 61.7106 looks on a white background.

Color Contrast Check

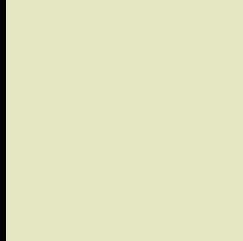
Large Text (above 18pt) WCAG AA × Fail

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 70.1965, 77.4961, 61.7106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

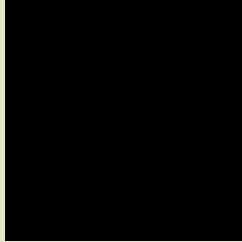
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

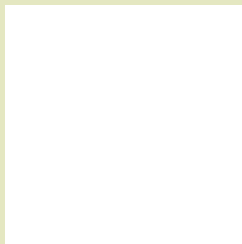
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1965, 77.4961, 61.7106

Background



This preview shows how black text looks on a background with the XYZ color 70.1965, 77.4961, 61.7106.



This preview shows how white text looks on a background with the XYZ color 70.1965, 77.4961,

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

70.1965, 77.4961, 61.7106

Protanopia

72.8082, 77.2250, 60.3587

Deuteranopia

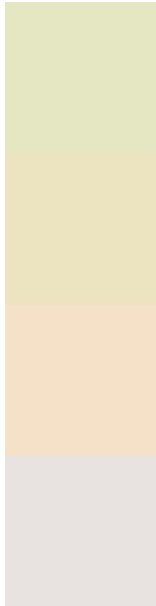
77.7571, 77.2372, 66.6871



Tritanopia

76.9436, 77.3843, 94.8857

Trichromacy



Original Color

70.1965, 77.4961, 61.7106

Protanomaly

71.8499, 77.1254, 60.9690

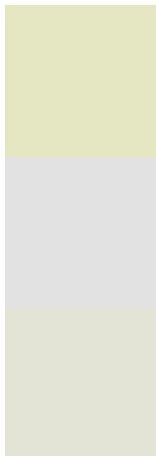
Deuteranomaly

74.8902, 77.3864, 65.0228

Tritanomaly

74.2023, 77.4758, 81.5644

Monochromacy



Original Color

70.1965, 77.4961, 61.7106

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.5596, 76.6727, 74.6461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1965, 77.4961, 61.7106 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(228, 231, 193)` looks like.

```
.text, #text, p{  
    color:rgb(228, 231, 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(228, 231, 193) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 70.1965, 77.4961, 61.7106 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(228, 231, 193) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 70.1965, 77.4961, 61.7106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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