

Converting Colors

XYZ(69.6073, 77.5068, 52.7409)

Have a look what the booklet for
XYZ(69.6073, 77.5068, 52.7409)
contains.

XYZ(69.4667, 77.3151, 52.8570)	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(69.4667, 77.3151,
52.8570)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E7B1
RGB	231, 231, 177
RGB Percent	91%, 91%, 69%
CMY	0.0941, 0.0941, 0.3059
CMYK	0.00, 0.00, 0.23, 0.09
HSL	60°, 53%, 80%
HSV	60°, 23%, 91%
XYZ	69.4667, 77.3151, 52.8570
YIQ	224.8440, 17.3340, -16.7940

Conversions

Conversions Part 2

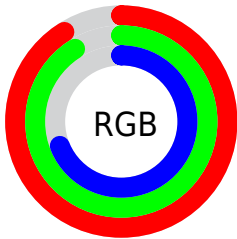
Format	Color
RYB	177, 231, 177
Decimal	15198129
CIELab	90.47, -8.52, 26.38
CIELCh	90, 27.721, 107.907
Yxy	77.3151, 0.3480, 0.3873
Android (android.graphics.Color)	4293388209 (0xFFE7E7B1)
YUV	224.8440, -23.5871, 5.3988
Hunter-Lab	87.9290, -12.8551, 25.9091

Details

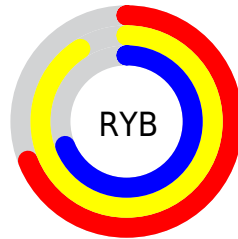
The XYZ color **69.4667, 77.3151, 52.8570** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.2804, 46.5630, 82.0486**, and the grayscale version is **71.6130, 75.3425, 82.0480**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **36.8426, 41.6199, 25.1604** is the 20% darker color. If you saturate the color by 10%, you get **67.3564, 76.4736, 41.7397**, and if you desaturate by 10%, it is **71.9708, 78.3195, 66.0304**.

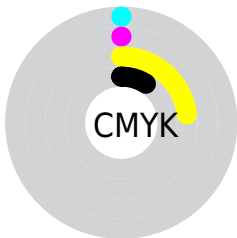
Distribution



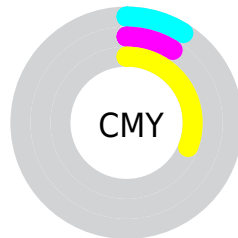
- Red (91%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (91%)
- Blue (69%)



- Cyan (0%)
- Magenta (0%)
- Yellow (23%)
- Black (9%)



- Cyan (9%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4667, 77.3151, 52.8570 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 69.4667, 77.3151, 52.8570 by changing the saturation by 10% instead.

69.4667, 77.3151,
52.8570

69.4667, 77.3151,
52.8570

447.9709,
485.8377, 414.7870

51.3699, 57.5115,
37.3017

117.4783,
129.5842, 95.8333

36.7253, 41.4161,
25.1435

148.1239,
162.8185, 124.0914

25.1676, 28.6443,
15.9640

183.6831,
201.2985, 157.4208

16.3314, 18.8119,
9.3446

224.5213,
245.4086, 196.2402

9.8513, 11.5345,
4.8668

271.0038,
295.5331, 240.9679

5.3620, 6.4275,
2.1119


323.4960,


2.4981, 3.1068,


352.0566, 292.0226

0.6229


382.3633,
415.3633, 349.8227


 0.8943, 1.1877,
0.0000


 0.0000, 0.0516,
0.0000


 69.4667, 77.3151,
52.8570

 69.4667, 77.3151,
52.8570


 67.3564, 76.4736,
41.7397


 71.9708, 78.3195,
66.0304


 65.6144, 75.7766,
32.5701

 74.8810, 79.4836,
81.3510

 64.2212, 75.2193,
25.2378

 78.2163, 80.8179,
98.9105

 63.1534, 74.7921,
19.6190

 79.5858, 81.3658,
106.1183

■ 62.3846, 74.4845,
15.5746

■ 79.5866, 81.3662,
106.1183

■ 61.8843, 74.2843,
12.9443

■ 79.5874, 81.3666,
106.1184

■ 61.6156, 74.1767,
11.5332

■ 79.5881, 81.3670,
106.1184

■ 61.5267, 74.1411,
11.0679

■ 79.5889, 81.3674,
106.1184

■ 79.5897, 81.3678,
106.1185

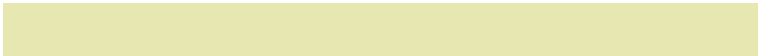
Harmonies

Analogous

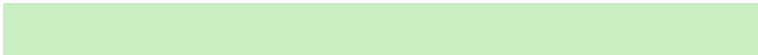
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3111, 77.3151, 52.1263



69.4667, 77.3151, 52.8570



64.0401, 77.3151, 61.1179

Triad

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



69.4667, 77.3151, 52.8570



64.9154, 77.3151, 115.7740



87.2914, 77.3151, 92.4286

Complementary

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



69.4667, 77.3151, 52.8570



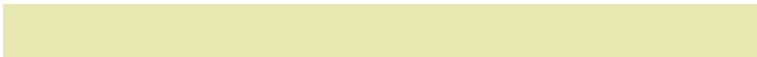
48.2804, 46.5630, 82.0486

Split Complementary

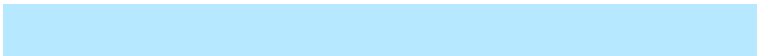
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8172, 77.3151, 112.4243



69.4667, 77.3151, 52.8570



70.7309, 77.3151, 127.2532

Square

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



69.4667, 77.3151, 52.8570



61.5282, 77.3151, 96.4624



77.6568, 77.3151, 125.9391



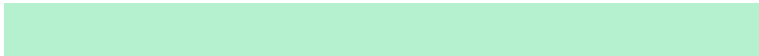
86.8999, 77.3151, 72.9926

Rectangle

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



69.4667, 77.3151, 52.8570



61.8243, 77.3151, 70.6378



77.6568, 77.3151, 125.9391



86.5283, 77.3151, 99.3577

Sweetspot

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



69.4687, 77.3186, 52.8586



92.3073, 98.9028, 94.4608



56.6155, 51.6094, 48.5737



19.7096, 21.1501, 19.9658



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.



69.4687, 77.3186, 52.8586



85.6071, 96.2225, 59.1887



61.4165, 73.1675, 52.4818



15.6015, 16.8172, 15.3282



34.4908, 41.5621, 6.2044



2.5488, 3.0713, 0.4585

Inverse Universe

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



48.2804, 46.5630, 82.0486



54.7808, 51.4770, 101.6565



55.0501, 50.0529, 82.3654



13.5830, 13.8873, 18.1089



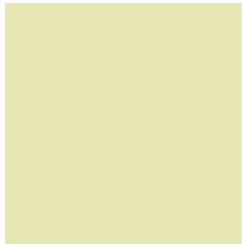
8.0864, 3.2346, 42.5813



0.5976, 0.2391, 3.1466

Previews

White Background



This preview shows how the XYZ color 69.4667, 77.3151, 52.8570 looks on a white background.

Color Contrast Check

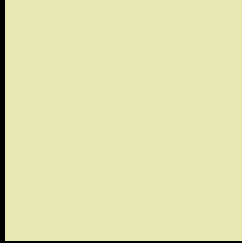
Large Text (above 18pt) WCAG AA × Fail

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 69.4667, 77.3151, 52.8570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

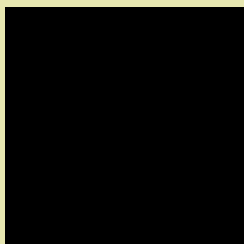
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

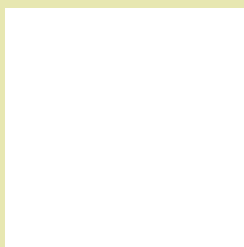
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.4667, 77.3151, 52.8570

Background



This preview shows how black text looks on a background with the XYZ color 69.4667, 77.3151, 52.8570.



This preview shows how white text looks on a background with the XYZ color 69.4667, 77.3151,

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

69.4667, 77.3151, 52.8570

Protanopia

72.1691, 77.0880, 51.6332

Deuteranopia

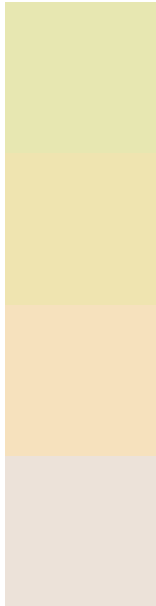
77.0603, 76.9584, 63.0175



Tritanopia

77.7125, 77.4173, 93.2852

Trichromacy



Original Color

69.4667, 77.3151, 52.8570

Protanomaly

71.1765, 76.9721, 52.1800

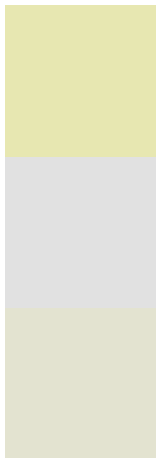
Deuteranomaly

74.1166, 77.1174, 59.1229

Tritanomaly

74.3128, 77.2353, 76.6368

Monochromacy



Original Color

69.4667, 77.3151, 52.8570

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.5328, 75.8231, 70.5924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4667, 77.3151, 52.8570 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, 231, 177)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 177)  
}
```

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, 231, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 177) }
```

Border

The CSS property to change the border of an element to XYZ 69.4667, 77.3151, 52.8570 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, 231, 177) }
```


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

```
.border{ border-color:rgb(231, 231, 177) }
```

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

Here you see how a box with a 4 pixel rgb(231, 231, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 177);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4667, 77.3151, 52.8570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 177) }
```

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

```
.background{ background-color: rgb(231,  
231, 177) }
```

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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