

# Converting Colors

XYZ(69.9724, 77.4832, 57.1704)

Have a look what the booklet for  
XYZ(69.9724, 77.4832, 57.1704)  
contains.

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# Color

**XYZ(69.9660, 77.4776,  
57.1660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E7B9
RGB	230, 231, 185
RGB Percent	90%, 91%, 73%
CMY	0.0980, 0.0941, 0.2745
CMYK	0.00, 0.00, 0.20, 0.09
HSL	61°, 49%, 82%
HSV	61°, 20%, 91%
XYZ	69.9660, 77.4776, 57.1660
YIQ	225.4570, 14.1700, -14.5180

# Conversions

## Conversions Part 2

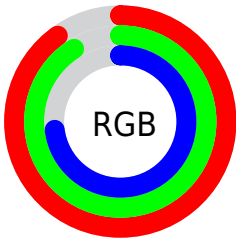
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 231, 186
Decimal	15132601
CIELab	90.54, -7.77, 22.35
CIELCh	91, 23.658, 109.169
Yxy	77.4776, 0.3419, 0.3787
Android (android.graphics.Color)	4293322681 (0xFFE6E7B9)
YUV	225.4570, -19.9453, 3.9842
Hunter-Lab	88.0214, -12.1522, 23.1087

# Details

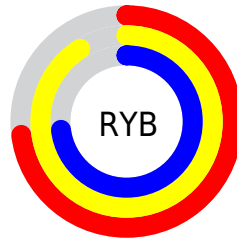
The XYZ color **69.9660, 77.4776, 57.1660** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.0254, 50.9086, 82.6899**, and the grayscale version is **72.0307, 75.7819, 82.5265**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **37.1458, 41.7153, 27.9239** is the 20% darker color. If you saturate the color by 10%, you get **67.5619, 76.4999, 45.3415**, and if you desaturate by 10%, it is **72.7709, 78.6209, 71.0806**.

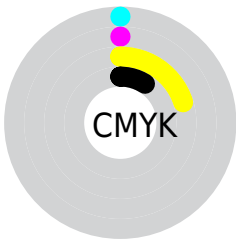
# Distribution



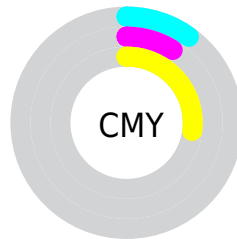
- Red (90%)
- Green (91%)
- Blue (73%)



- Red (73%)
- Yellow (91%)
- Blue (73%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (9%)



- Cyan (10%)
- Magenta (9%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9660, 77.4776, 57.1660 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 69.9660, 77.4776, 57.1660 by changing the saturation by 10% instead.



69.9660, 77.4776,  
57.1660

69.9660, 77.4776,  
57.1660

449.6989,  
486.3909, 431.5822

51.7783, 57.6449,  
40.7283

118.1868,  
129.8134, 102.2101

37.0520, 41.5233,  
27.7887

148.9506,  
163.0854, 131.6536

25.4216, 28.7282,  
17.9288

184.6372,  
201.6060, 166.2694

16.5218, 18.8753,  
10.7300

225.6119,  
245.7594, 206.4760

9.9873, 11.5802,  
5.7737

272.2401,  
295.9303, 252.6921

5.4528, 6.4585,  
2.6414

324.8870,

2.5528, 3.1258,

352.5029, 305.3361

0.9137

383.9182,  
415.8616, 364.8266

■ 0.9219, 1.1978,  
0.0000

■ 0.0000, 0.0599,  
0.0000

■ 69.9660, 77.4776,  
57.1660

■ 69.9660, 77.4776,  
57.1660

■ 67.5619, 76.4999,  
45.3415

■ 72.7709, 78.6209,  
71.0806

■ 65.5335, 75.6699,  
35.5016

■ 75.9883, 79.9267,  
87.1742

■ 63.8620, 74.9827,  
27.5389

■ 79.6370, 81.4050,  
105.5365

■ 62.5247, 74.4293,  
21.3341

■ 79.9126, 81.5342,  
106.1336

61.4965, 73.9995,  
16.7539

80.0767, 81.6188,  
106.1412

60.7484, 73.6819,  
13.6464

80.2413, 81.7036,  
106.1489

60.2460, 73.4626,  
11.8307

80.4064, 81.7887,  
106.1567

59.9310, 73.3182,  
10.9988

80.5719, 81.8740,  
106.1644

59.9285, 73.3171,  
10.9930

80.7379, 81.9596,  
106.1722

# Harmonies

## Analogous

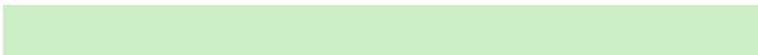
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7996, 77.4776, 56.2250



69.9660, 77.4776, 57.1660



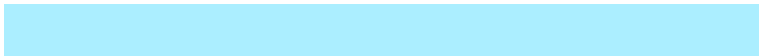
65.3601, 77.4776, 64.7927

# Triad

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



69.9660, 77.4776, 57.1660



66.4466, 77.4776, 111.5036



85.3936, 77.4776, 90.6345

# Complementary

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



69.9660, 77.4776, 57.1660



52.0254, 50.9086, 82.6899

# Split Complementary

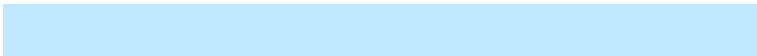
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5915, 77.4776, 107.5163



69.9660, 77.4776, 57.1660



71.5221, 77.4776, 120.5942

# Square

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



69.9660, 77.4776, 57.1660



63.4047, 77.4776, 95.5214



77.4407, 77.4776, 119.0445



84.9218, 77.4776, 74.1037



# Rectangle

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



69.9660, 77.4776, 57.1660



63.5070, 77.4776, 73.2915



77.4407, 77.4776, 119.0445



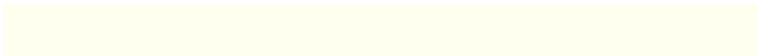
84.7976, 77.4776, 96.4901

# Sweetspot

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



69.9680, 77.4810, 57.1676



92.5607, 98.9901, 96.4331



59.2242, 55.5132, 53.4937



19.7563, 21.1654, 20.3633



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.



69.9680, 77.4810, 57.1676



86.2249, 96.4133, 64.9863



63.1331, 73.9575, 56.8478



15.5688, 16.8003, 15.3267



33.6096, 41.1079, 6.1632



2.4936, 3.0429, 0.4559



# Inverse Universe

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



52.0254, 50.9086, 82.6899



59.8384, 57.3350, 102.5207



58.0036, 53.9905, 82.9697



13.6118, 13.9021, 18.1103



8.1350, 3.2596, 42.5836

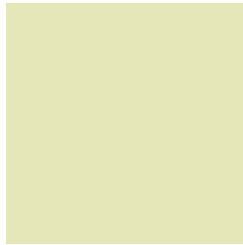


0.6115, 0.2462, 3.1473



# Previews

## White Background



This preview shows how the XYZ color 69.9660, 77.4776, 57.1660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

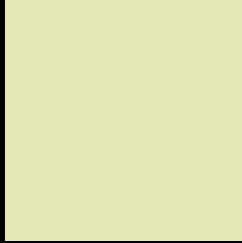
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.9660, 77.4776, 57.1660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

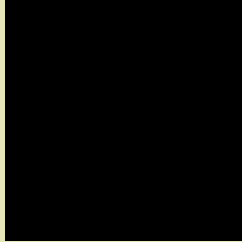
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

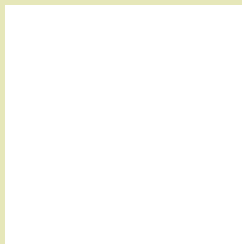
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.9660, 77.4776, 57.1660

## Background



This preview shows how black text looks on a background with the XYZ color 69.9660, 77.4776, 57.1660.



This preview shows how white text looks on a background with the XYZ color 69.9660, 77.4776,



# 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

69.9660, 77.4776, 57.1660

### Protanopia

72.6343, 77.2343, 55.8792

### Deuteranopia

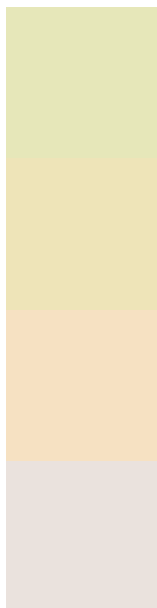
77.4053, 77.0964, 64.8342



## Tritanopia

77.1899, 77.1308, 94.0385

# Trichromacy



## Original Color

69.9660, 77.4776, 57.1660

## Protanomaly

71.6550, 77.1246, 56.4573

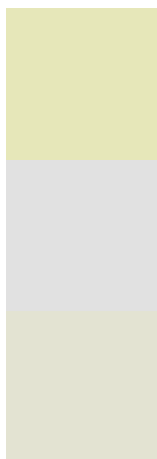
## Deuteranomaly

74.6689, 77.3383, 62.0312

## Tritanomaly

74.1792, 77.1056, 79.3798

# Monochromacy



## Original Color

69.9660, 77.4776, 57.1660

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

70.7805, 75.9222, 71.8967

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.9660, 77.4776, 57.1660 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(230, 231, 185)` looks like.

```
.text, #text, p{  
    color:rgb(230, 231, 185)  
}
```

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(230, 231, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 231, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 69.9660, 77.4776, 57.1660 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(230, 231, 185) }
```



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

```
.border{ border-color:rgb(230, 231, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 231, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 231, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 231, 185);  
box-shadow:4px 4px 4px 4px rgb(230, 231,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.9660, 77.4776, 57.1660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 231, 185) }
```

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

```
.background{ background-color: rgb(230,  
231, 185) }
```

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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