

Converting Colors

XYZ(68.9878, 77.7823, 59.8218)

Have a look what the booklet for
XYZ(68.9878, 77.7823, 59.8218)
contains.

XYZ(69.1736, 77.8428, 60.0945)	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(69.1736, 77.8428,
60.0945)**

Conversions

Conversions Part 1

Format	Color
Hex	E0E9BE
RGB	224, 233, 190
RGB Percent	88%, 91%, 75%
CMY	0.1216, 0.0863, 0.2549
CMYK	0.04, 0.00, 0.18, 0.09
HSL	73°, 49%, 83%
HSV	73°, 18%, 91%
XYZ	69.1736, 77.8428, 60.0945
YIQ	225.4070, 8.4390, -15.2810

Conversions

Conversions Part 2

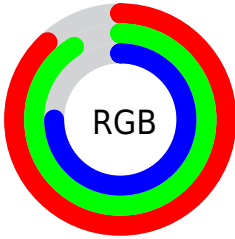
Format	Color
RYB	190, 233, 199
Decimal	14739902
CIELab	90.71, -10.20, 19.92
CIELCh	91, 22.384, 117.107
Yxy	77.8428, 0.3340, 0.3759
Android (android.graphics.Color)	4292929982 (0xFFE0E9BE)
YUV	225.4070, -17.4557, -1.2339
Hunter-Lab	88.2286, -14.4511, 21.3762

Details

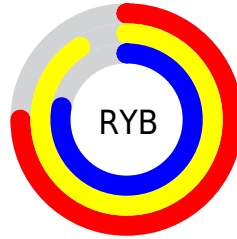
The XYZ color **69.1736, 77.8428, 60.0945** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **56.6777, 54.8543, 84.6957**, and the grayscale version is **71.9801, 75.7287, 82.4686**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **36.5283, 41.6569, 29.4079** is the 20% darker color. If you saturate the color by 10%, you get **65.3380, 76.1389, 47.6672**, and if you desaturate by 10%, it is **73.4640, 79.7388, 74.6714**.

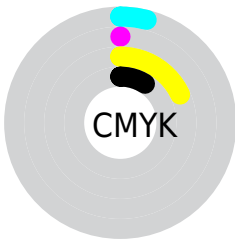
Distribution



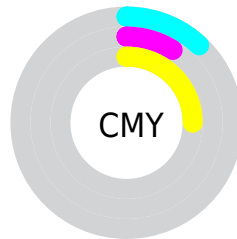
- Red (88%)
- Green (91%)
- Blue (75%)



- Red (75%)
- Yellow (91%)
- Blue (78%)



- Cyan (4%)
- Magenta (0%)
- Yellow (18%)
- Black (9%)



- Cyan (12%)
- Magenta (9%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1736, 77.8428, 60.0945 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 69.1736, 77.8428, 60.0945 by changing the saturation by 10% instead.

69.1736, 77.8428,
60.0945

69.1736, 77.8428,
60.0945

446.9548,
487.6328, 442.7603

51.1303, 57.9449,
43.0690

117.0622,
130.3285, 106.5115

36.5337, 41.7643,
29.6075

147.6382,
163.6850, 136.7400

25.0187, 28.9168,
19.2913

183.1224,
202.2966, 172.2066

16.2198, 19.0179,
11.7020

223.8802,
246.5475, 213.3299

9.7717, 11.6832,
6.4211

270.2771,
296.8221, 260.5284

5.3089, 6.5283,
3.0299

322.6782,

2.4662, 3.1689,

353.5050, 314.2206

1.1099

381.4490,
416.9804, 374.8251

0.8783, 1.2206,
0.0000

0.0000, 0.0784,
0.0000

69.1736, 77.8428,
60.0945

69.1736, 77.8428,
60.0945

65.3380, 76.1389,
47.6672

73.4640, 79.7388,
74.6714

61.9312, 74.6090,
37.2829

78.2212, 81.8239,
91.4879

58.9341, 73.2479,
28.8333

82.6651, 83.7888,
106.4237

56.3236, 72.0462,
22.1981

84.3315, 84.6479,
106.5017

■ 54.0737, 70.9937,
17.2436

■ 86.0426, 85.5300,
106.5818

■ 52.1554, 70.0786,
13.8178

■ 87.7990, 86.4355,
106.6639

■ 50.5340, 69.2871,
11.7411

■ 88.4305, 86.7610,
106.6935

■ 49.1599, 68.5991,
10.7533

■ 48.9590, 68.4978,
10.6410

Harmonies

Analogous

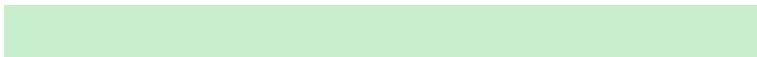
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5337, 77.8428, 57.4632



69.1736, 77.8428, 60.0945



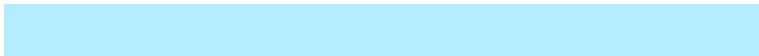
65.2826, 77.8428, 69.0429

Triad

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



69.1736, 77.8428, 60.0945



68.2747, 77.8428, 113.4783



85.3082, 77.8428, 86.3284

Complementary

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



69.1736, 77.8428, 60.0945



56.6777, 54.8543, 84.6957

Split Complementary

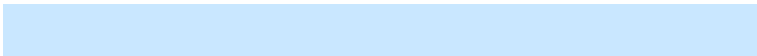
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4332, 77.8428, 102.6923



69.1736, 77.8428, 60.0945



73.4435, 77.8428, 119.5603

Square

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



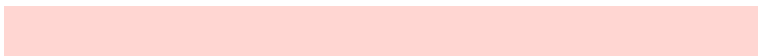
69.1736, 77.8428, 60.0945



64.7824, 77.8428, 99.6497



79.0192, 77.8428, 115.3853



84.0252, 77.8428, 71.4284

Rectangle

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



69.1736, 77.8428, 60.0945



63.9493, 77.8428, 78.0406



79.0192, 77.8428, 115.3853



85.0243, 77.8428, 91.8493

Sweetspot

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



69.1757, 77.8462, 60.0962



91.5147, 98.4509, 96.3842



63.2327, 61.7066, 57.2941



19.5083, 21.0376, 20.3517



0.0000, 0.0000, 0.0000



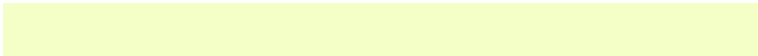
20.3446, 21.4041, 23.3091

Same Dimension

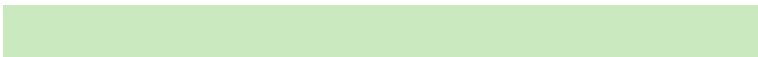
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.1757, 77.8462, 60.0962



83.1066, 94.7385, 67.8782



63.0372, 74.6817, 59.8089



16.0252, 17.4585, 16.0439



27.8856, 38.9200, 6.0426



2.2670, 3.0960, 0.4781

Inverse Universe

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



56.6777, 54.8543, 84.6957



65.2135, 61.8177, 103.1026



62.6695, 57.9432, 84.9762



14.5259, 14.7009, 18.9942



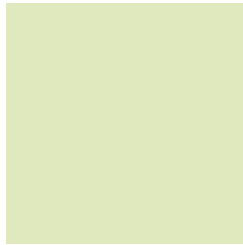
9.1417, 3.7486, 43.9847



0.7962, 0.3347, 3.4575

Previews

White Background



This preview shows how the XYZ color 69.1736, 77.8428, 60.0945 looks on a white background.

Color Contrast Check

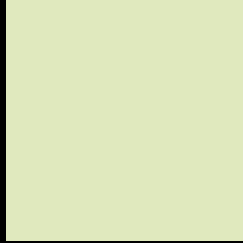
Large Text (above 18pt) WCAG AA × Fail

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 69.1736, 77.8428, 60.0945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

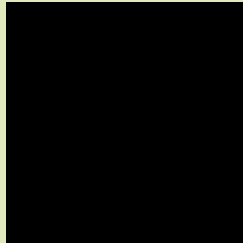
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

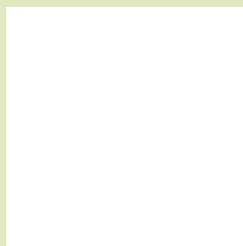
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.1736, 77.8428, 60.0945

Background



This preview shows how black text looks on a background with the XYZ color 69.1736, 77.8428, 60.0945.



This preview shows how white text looks on a background with the XYZ color 69.1736, 77.8428,

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

69.1736, 77.8428, 60.0945

Protanopia

72.9887, 77.7754, 58.1790

Deuteranopia

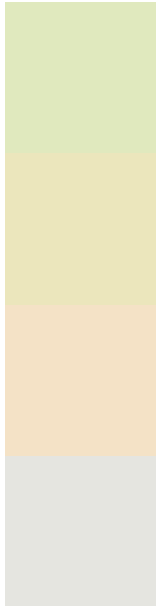
78.0219, 77.7668, 66.7754



Tritanopia

76.6527, 78.0196, 95.8133

Trichromacy



Original Color

69.1736, 77.8428, 60.0945

Protanomaly

71.6349, 77.8866, 58.8350

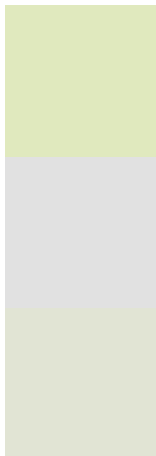
Deuteranomaly

74.6976, 77.7030, 64.4873

Tritanomaly

73.7870, 78.0785, 81.7027

Monochromacy



Original Color

69.1736, 77.8428, 60.0945

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.6784, 76.2478, 73.2795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1736, 77.8428, 60.0945 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(224, 233, 190)` looks like.

```
.text, #text, p{  
    color:rgb(224, 233, 190)  
}
```

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(224, 233, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 233, 190) }
```

Border

The CSS property to change the border of an element to XYZ 69.1736, 77.8428, 60.0945 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(224, 233, 190) }
```


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

```
.border{ border-color:rgb(224, 233, 190) }
```

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

Here you see how a box with a 4 pixel rgb(224, 233, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 233, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 233, 190);  
box-shadow:4px 4px 4px 4px rgb(224, 233,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1736, 77.8428, 60.0945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 233, 190) }
```

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

```
.background{ background-color: rgb(224,  
233, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor