

Converting Colors

XYZ(70.0504, 80.3006, 53.2797)

Have a look what the booklet for
XYZ(70.0504, 80.3006, 53.2797)
contains.

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Color

**XYZ(69.8986, 80.0736,
53.3667)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EDB1
RGB	227, 237, 177
RGB Percent	89%, 93%, 69%
CMY	0.1098, 0.0706, 0.3059
CMYK	0.04, 0.00, 0.25, 0.07
HSL	70°, 63%, 81%
HSV	70°, 25%, 93%
XYZ	69.8986, 80.0736, 53.3667
YIQ	227.1700, 13.3000, -20.7800

Conversions

Conversions Part 2

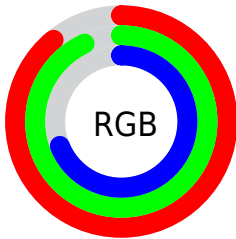
Format	Color
RYB	177, 237, 187
Decimal	14937521
CIELab	91.72, -12.99, 28.03
CIELCh	92, 30.894, 114.856
Yxy	80.0736, 0.3438, 0.3938
Android (android.graphics.Color)	4293127601 (0xFFE3EDB1)
YUV	227.1700, -24.7338, -0.1491
Hunter-Lab	89.4839, -17.1649, 27.2791

Details

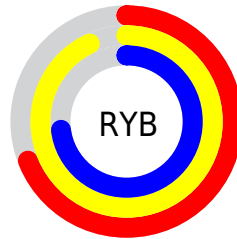
The XYZ color **69.8986, 80.0736, 53.3667** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.5048, 48.1256, 86.6998**, and the grayscale version is **73.3067, 77.1244, 83.9885**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **36.9566, 43.1609, 25.4519** is the 20% darker color. If you saturate the color by 10%, you get **66.5070, 78.5773, 41.9294**, and if you desaturate by 10%, it is **73.7332, 81.7558, 66.9695**.

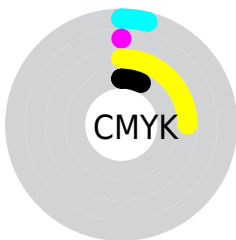
Distribution



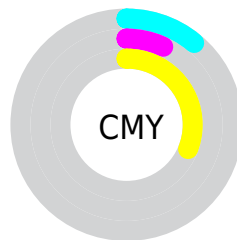
- Red (89%)
- Green (93%)
- Blue (69%)



- Red (69%)
- Yellow (93%)
- Blue (73%)



- Cyan (4%)
- Magenta (0%)
- Yellow (25%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8986, 80.0736, 53.3667 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 69.8986, 80.0736, 53.3667 by changing the saturation by 10% instead.

69.8986, 80.0736,
53.3667

69.8986, 80.0736,
53.3667

449.4659,
495.1808, 416.7966

51.7232, 59.7789,
37.7059

118.0912,
133.4692, 96.5908

37.0078, 43.2405,
25.4544

148.8391,
167.3389, 124.9910

25.3873, 30.0738,
16.1938

184.5085,
206.5024, 158.4749

16.4961, 19.8946,
9.5056

225.4648,
251.3441, 197.4609

9.9689, 12.3185,
4.9711

272.0733,
302.2484, 242.3675

5.4405, 6.9610,
2.1719

324.6994,

2.5453, 3.4377,

359.5997, 293.6133

0.6581

383.7085,
423.7824, 351.6168

■ 0.9182, 1.3643,
0.0000

■ 0.0000, 0.1902,
0.0000

■ 69.8986, 80.0736,
53.3667

■ 69.8986, 80.0736,
53.3667

■ 66.5070, 78.5773,
41.9294

■ 73.7332, 81.7558,
66.9695

■ 63.5310, 77.2479,
32.5409


■ 78.0246, 83.6214,
82.8364


■ 60.9491, 76.0793,
25.0810


■ 82.7934, 85.6812,
101.0660


■ 58.7358, 75.0614,
19.4152

■ 85.2319, 86.8123,
106.8720

 56.8619, 74.1825,
15.3916


 86.6091, 87.5223,
106.9364


 55.2937, 73.4291,
12.8334

 88.0158, 88.2475,
107.0023

 53.9897, 72.7845,
11.5228

 89.4523, 88.9880,
107.0695

 53.4395, 72.5079,
11.1789

 89.5759, 89.0517,
107.0753

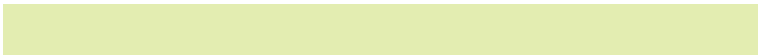
Harmonies

Analogous

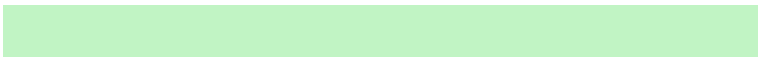
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4778, 80.0736, 50.6354



69.8986, 80.0736, 53.3667



64.3484, 80.0736, 64.4629

Triad

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



69.8986, 80.0736, 53.3667



67.6931, 80.0736, 127.8233



92.2634, 80.0736, 91.1459

Complementary

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



69.8986, 80.0736, 53.3667



51.5048, 48.1256, 86.6998

Split Complementary

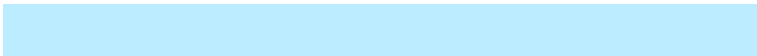
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2185, 80.0736, 114.7066



69.8986, 80.0736, 53.3667



74.7536, 80.0736, 138.0964

Square

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



69.8986, 80.0736, 53.3667



63.1382, 80.0736, 106.7838



82.6737, 80.0736, 132.9239



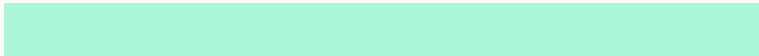
90.7414, 80.0736, 70.1468

Rectangle

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



69.8986, 80.0736, 53.3667



62.3647, 80.0736, 76.3068



82.6737, 80.0736, 132.9239



91.7342, 80.0736, 99.0542

Sweetspot

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



69.9007, 80.0772, 53.3684



90.6973, 98.1156, 92.4526



60.6339, 56.7218, 49.3488



19.2464, 20.9285, 19.1695



0.0000, 0.0000, 0.0000



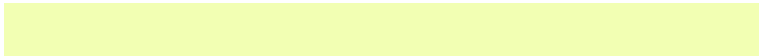
20.3446, 21.4041, 23.3091

Same Dimension

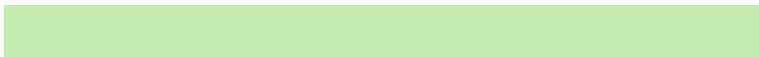
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9007, 80.0772, 53.3684



80.5480, 93.6750, 56.2189



61.2488, 75.6169, 52.9635



16.0911, 17.4925, 16.0470



29.2708, 39.6341, 6.1074



2.3639, 3.1460, 0.4826

Inverse Universe

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



51.5048, 48.1256, 86.6998



55.6203, 50.3697, 101.3986



59.6261, 52.3123, 87.0799



14.4652, 14.6696, 18.9914



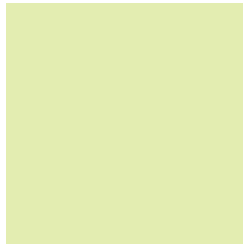
8.8866, 3.6171, 43.9728



0.7671, 0.3198, 3.4562

Previews

White Background



This preview shows how the XYZ color 69.8986, 80.0736, 53.3667 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 69.8986, 80.0736, 53.3667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

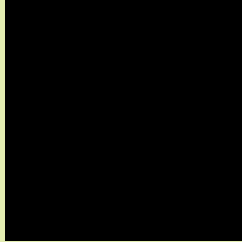
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

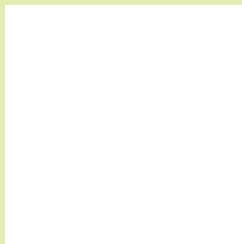
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8986, 80.0736, 53.3667

Background



This preview shows how black text looks on a background with the XYZ color 69.8986, 80.0736, 53.3667.



This preview shows how white text looks on a background with the XYZ color 69.8986, 80.0736,

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

69.8986, 80.0736, 53.3667

Protanopia

74.5737, 79.9820, 51.5520

Deuteranopia

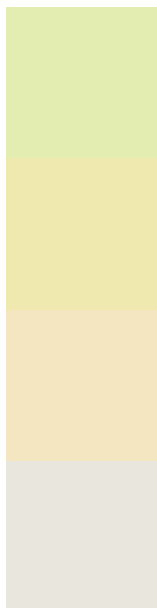
79.2158, 79.9645, 67.7595



Tritanopia

78.9700, 79.9735, 98.4630

Trichromacy



Original Color

69.8986, 80.0736, 53.3667

Protanomaly

72.8120, 79.8982, 52.1417

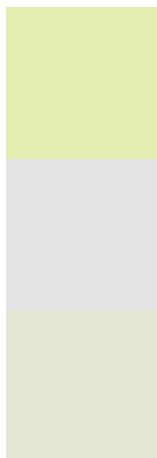
Deuteranomaly

75.6906, 79.9011, 62.4721

Tritanomaly

75.2313, 79.6959, 79.8243

Monochromacy



Original Color

69.8986, 80.0736, 53.3667

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.7631, 78.0862, 71.6114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8986, 80.0736, 53.3667 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(227, 237, 177)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 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(227, 237, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 177) }
```

Border

The CSS property to change the border of an element to XYZ 69.8986, 80.0736, 53.3667 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(227, 237, 177) }
```


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

```
.border{ border-color:rgb(227, 237, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 237, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 237, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 237, 177);  
box-shadow:4px 4px 4px 4px rgb(227, 237,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8986, 80.0736, 53.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 237, 177) }
```

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

```
.background{ background-color: rgb(227,  
237, 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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