

Converting Colors

XYZ(55.7977, 68.2131, 33.8925)

Have a look what the booklet for
XYZ(55.7977, 68.2131, 33.8925)
contains.

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Color

**XYZ(55.7977, 68.2131,
33.8925)**

Conversions

Conversions Part 1

Format	Color
Hex	CAE189
RGB	202, 225, 137
RGB Percent	79%, 88%, 54%
CMY	0.2078, 0.1176, 0.4627
CMYK	0.10, 0.00, 0.39, 0.12
HSL	76°, 59%, 71%
HSV	76°, 39%, 88%
XYZ	55.7977, 68.2131, 33.8925
YIQ	208.0910, 14.5400, -32.2440

Conversions

Conversions Part 2

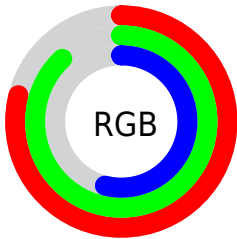
Format	Color
RYB	137, 225, 160
Decimal	13296009
CIELab	86.11, -21.48, 40.51
CIELCh	86, 45.856, 117.933
Yxy	68.2131, 0.3534, 0.4320
Android (android.graphics.Color)	4291486089 (0xFFCAE189)
YUV	208.0910, -35.0479, -5.3418
Hunter-Lab	82.5912, -23.9420, 33.4833

Details

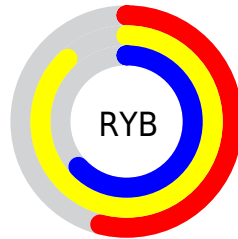
The XYZ color **55.7977, 68.2131, 33.8925** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **37.0361, 30.8029, 75.2316**, and the grayscale version is **60.2283, 63.3649, 69.0043**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **28.0470, 35.6084, 13.9892** is the 20% darker color. If you saturate the color by 10%, you get **52.7883, 66.8313, 26.1873**, and if you desaturate by 10%, it is **59.2077, 69.7669, 43.3760**.

Distribution



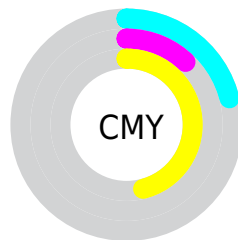
- Red (79%)
- Green (88%)
- Blue (54%)



- Red (54%)
- Yellow (88%)
- Blue (63%)



- Cyan (10%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)





- Cyan (21%)
- Magenta (12%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7977, 68.2131, 33.8925 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 55.7977, 68.2131, 33.8925 by changing the saturation by 10% instead.

 55.7977, 68.2131,
33.8925


 55.7977, 68.2131,
33.8925


399.0161,
454.2507, 334.4070


 40.2771, 50.0711,
22.5343


 97.8503, 116.6569,
66.8984

 27.9398, 35.4699,
14.0480


 125.1129,
147.7276, 89.3833

 18.4205, 24.0251,
8.0149


 157.0204,
183.8766, 116.4141

 11.3538, 15.3522,
4.0166

193.9379,
225.4884, 148.4095

 6.3744, 9.0670,
1.6344

236.2309,
272.9472, 185.7879

 3.1169, 4.7849,
0.3152

284.2646,

 1.2159, 2.1216,

326.6377, 228.9680

0.0000

338.4046,
386.9440, 278.3681

■ 0.1188, 0.6767,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.7977, 68.2131,
33.8925

■ 55.7977, 68.2131,
33.8925

■ 52.7883, 66.8313,
26.1873

■ 59.2077, 69.7669,
43.3760

■ 50.1528, 65.6037,
20.1450

■ 63.0333, 71.4916,
54.7350

■ 47.8686, 64.5234,
15.6434

■ 67.2945, 73.3977,
68.0646

■ 45.9085, 63.5795,
12.5418

■ 72.0087, 75.4922,
83.4526

■ 44.2400, 62.7590,
10.6737

■ 77.1920, 77.7817,
100.9811

■ 42.8125, 62.0415,
9.7762

■ 79.9993, 79.1281,
105.6646

■ 42.6916, 61.9804,
9.7133

■ 81.9988, 80.1590,
105.7582

■ 84.0635, 81.2233,
105.8548

■ 86.1938, 82.3215,
105.9545

Harmonies

Analogous

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



65.5681, 68.2131, 30.0615



55.7977, 68.2131, 33.8925



49.1336, 68.2131, 47.5252

Triad

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



55.7977, 68.2131, 33.8925



54.6601, 68.2131, 135.1070



87.2672, 68.2131, 76.3854

Complementary

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



55.7977, 68.2131, 33.8925



37.0361, 30.8029, 75.2316

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.



83.5677, 68.2131, 109.5410



55.7977, 68.2131, 33.8925



64.1064, 68.2131, 148.6759

Square

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



55.7977, 68.2131, 33.8925



48.5285, 68.2131, 104.9103



74.7979, 68.2131, 138.2503



84.4364, 68.2131, 50.2686

Rectangle

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



55.7977, 68.2131, 33.8925



46.9684, 68.2131, 62.7885



74.7979, 68.2131, 138.2503



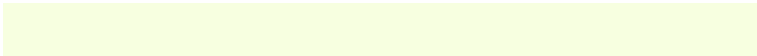
86.7385, 68.2131, 87.0777

Sweetspot

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



55.7994, 68.2161, 33.8940



87.6269, 96.6978, 84.8519



47.9672, 42.6120, 29.3647



18.5942, 20.6251, 17.6532



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.



55.7994, 68.2161, 33.8940



70.7819, 89.0681, 36.4383



45.7409, 63.0308, 33.4232



14.5038, 15.8399, 14.5998



24.7144, 35.7733, 5.6023



1.7955, 2.5221, 0.3922

Inverse Universe

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



37.0361, 30.8029, 75.2316



42.5617, 32.7488, 98.6857



47.1672, 36.0257, 75.7057



13.2864, 13.4156, 17.2769



8.9580, 3.7134, 41.2930



0.7039, 0.3002, 2.8661

Previews

White Background



This preview shows how the XYZ color 55.7977, 68.2131, 33.8925 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 55.7977, 68.2131, 33.8925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

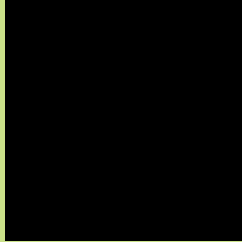
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.7977, 68.2131, 33.8925

Background



This preview shows how black text looks on a background with the XYZ color 55.7977, 68.2131, 33.8925.

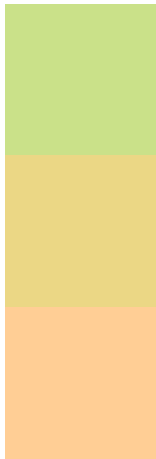


This preview shows how white text looks on a background with the XYZ color 55.7977, 68.2131,

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

55.7977, 68.2131, 33.8925

Protanopia

62.7950, 67.9565, 31.9976

Deuteranopia

68.7361, 67.5725, 37.8538



Tritanopia

66.2019, 68.1588, 85.2681

Trichromacy



Original Color

55.7977, 68.2131, 33.8925

Protanomaly

60.0660, 68.0722, 32.5277

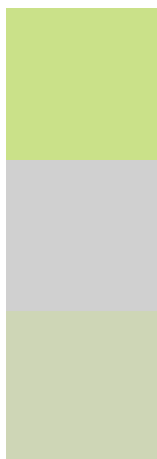
Deuteranomaly

63.4972, 67.4657, 36.4636

Tritanomaly

61.7278, 67.8757, 62.6712

Monochromacy



Original Color

55.7977, 68.2131, 33.8925

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

57.9437, 64.5923, 53.6696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7977, 68.2131, 33.8925 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(202, 225, 137)` looks like.

```
.text, #text, p{  
    color:rgb(202, 225, 137)  
}
```

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(202, 225, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 225, 137) }
```

Border

The CSS property to change the border of an element to XYZ 55.7977, 68.2131, 33.8925 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(202, 225, 137) }
```


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

```
.border{ border-color:rgb(202, 225, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 225, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 225, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 225, 137);  
box-shadow:4px 4px 4px 4px rgb(202, 225,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7977, 68.2131, 33.8925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 225, 137) }
```

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

```
.background{ background-color: rgb(202,  
225, 137) }
```

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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