

Converting Colors

XYZ(37.7991, 54.9284, 13.2434)

Have a look what the booklet for
XYZ(37.7991, 54.9284, 13.2434)
contains.

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Color

**XYZ(37.8927, 55.1274,
13.3461)**

Conversions

Conversions Part 1

Format	Color
Hex	98D63F
RGB	152, 214, 63
RGB Percent	60%, 84%, 25%
CMY	0.4039, 0.1608, 0.7529
CMYK	0.29, 0.00, 0.71, 0.16
HSL	85°, 65%, 54%
HSV	85°, 71%, 84%
XYZ	37.8927, 55.1274, 13.3461
YIQ	178.2480, 11.5190, -60.1050

Conversions

Conversions Part 2

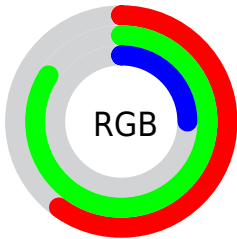
Format	Color
RYB	63, 214, 125
Decimal	10016319
CIELab	79.11, -41.98, 64.64
CIELCh	79, 77.078, 123.001
Yxy	55.1274, 0.3562, 0.5183
Android (android.graphics.Color)	4288206399 (0xFF98D63F)
YUV	178.2480, -56.8173, -23.0195
Hunter-Lab	74.2478, -38.8355, 41.3161

Details

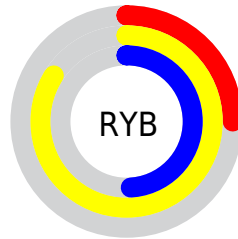
The XYZ color **37.8927, 55.1274, 13.3461** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **22.3749, 12.7716, 64.9073**, and the grayscale version is **42.7372, 44.9628, 48.9645**.

A 20% lighter version of the original color is **65.6681, 86.5535, 30.6982**, and **17.1175, 27.2292, 4.3536** is the 20% darker color. If you saturate the color by 10%, you get **35.8231, 54.1185, 10.7114**, and if you desaturate by 10%, it is **40.3191, 56.2970, 17.2124**.

Distribution



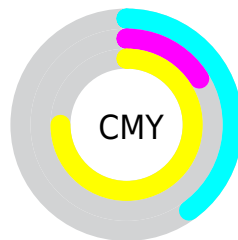
- Red (60%)
- Green (84%)
- Blue (25%)



- Red (25%)
- Yellow (84%)
- Blue (49%)



- Cyan (29%)
- Magenta (0%)
- Yellow (71%)
- Black (16%)



- Cyan (40%)
- Magenta (16%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8927, 55.1274, 13.3461 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 37.8927, 55.1274, 13.3461 by changing the saturation by 10% instead.

37.8927, 55.1274,
13.3461

37.8927, 55.1274,
13.3461

328.4483,
406.3947, 224.4092

26.0763, 39.5037,
7.5338

71.2486, 97.7276,
32.6244

17.0137, 27.1518,
3.7146

93.5188, 125.4729,
46.9275

10.3396, 17.6873,
1.4701

120.0042,
158.0276, 64.8980

5.6887, 10.7257,
0.1955

151.0703,
195.7759, 86.9543

2.6956, 5.8827,
0.0000

187.0824,
239.1024, 113.5150

0.9949, 2.7739,
0.0000

228.4059,

0.0000, 1.0149,

288.3915, 144.9987

0.0000

275.4061,
344.0274, 181.8239

■ 0.0000, 0.0000,
0.0000

■ 37.8927, 55.1274,
13.3461

■ 37.8927, 55.1274,
13.3461

■ 35.8231, 54.1185,
10.7114

■ 40.3191, 56.2970,
17.2124

■ 34.0752, 53.2500,
9.1537

■ 43.1251, 57.6309,
22.4338

■ 32.6709, 52.5409,
8.4195

■ 46.3355, 59.1412,
29.1226

■ 49.9716, 60.8367,
37.3784

■ 54.0530, 62.7255,
47.2923

■ 58.5979, 64.8152,
58.9481

■ 63.6234, 67.1129,
72.4242

■ 69.1456, 69.6252,
87.7940

■ 75.0814, 72.3192,
104.6095

Harmonies

Analogous

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



50.8647, 55.1274, 8.9681



37.8927, 55.1274, 13.3461



30.2296, 55.1274, 29.2170

Triad

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



37.8927, 55.1274, 13.3461



40.0933, 55.1274, 171.4287



87.7969, 55.1274, 55.7009

Complementary

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



37.8927, 55.1274, 13.3461



22.3749, 12.7716, 64.9073

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.



83.3864, 55.1274, 107.2284



37.8927, 55.1274, 13.3461



53.9596, 55.1274, 190.4240

Square

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



37.8927, 55.1274, 13.3461



31.3147, 55.1274, 118.9309



70.1977, 55.1274, 162.6619



81.2949, 55.1274, 24.7201

Rectangle

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



37.8927, 55.1274, 13.3461



28.1975, 55.1274, 50.2910



70.1977, 55.1274, 162.6619



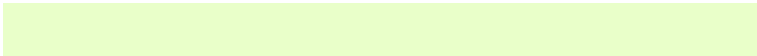
87.5437, 55.1274, 70.9389

Sweetspot

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



37.8940, 55.1298, 13.3473



79.9635, 93.0837, 69.2887



35.7636, 28.9224, 8.4010



16.7412, 19.7509, 13.9060



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.



37.8940, 55.1298, 13.3473



51.8390, 79.7682, 14.5195



28.0956, 50.0786, 12.8887



12.9569, 14.2540, 13.2291



19.8672, 31.8183, 5.0944



1.2912, 1.9670, 0.3116

Inverse Universe

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



22.3749, 12.7716, 64.9073



27.5414, 13.1538, 95.6951



37.4439, 20.5399, 65.6125



12.2208, 12.2552, 15.6589



9.8734, 4.2425, 38.7516



0.6882, 0.3037, 2.3417

Previews

White Background



This preview shows how the XYZ color 37.8927, 55.1274, 13.3461 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 37.8927, 55.1274, 13.3461 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 37.8927, 55.1274, 13.3461

Background



This preview shows how black text looks on a background with the XYZ color 37.8927, 55.1274, 13.3461.



This preview shows how white text looks on a background with the XYZ color 37.8927, 55.1274,

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

37.8927, 55.1274, 13.3461

Protanopia

49.4922, 54.3958, 11.8939

Deuteranopia

55.5471, 54.2470, 14.0216



Tritanopia

49.8435, 54.9243, 72.9402

Trichromacy



Original Color

37.8927, 55.1274, 13.3461

Protanomaly

44.4418, 54.1694, 12.3884

Deuteranomaly

47.4238, 53.6237, 13.6453

Tritanomaly

43.4863, 54.0932, 41.4068

Monochromacy



Original Color

37.8927, 55.1274, 13.3461

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

39.4369, 47.4742, 30.3774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8927, 55.1274, 13.3461 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(152, 214, 63)` looks like.

```
.text, #text, p{  
    color:rgb(152, 214, 63)  
}
```

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(152, 214, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 214, 63) }
```

Border

The CSS property to change the border of an element to XYZ 37.8927, 55.1274, 13.3461 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(152, 214, 63) }
```


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

```
.border{ border-color:rgb(152, 214, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 214, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 214, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 214, 63);  
box-shadow:4px 4px 4px 4px rgb(152, 214,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8927, 55.1274, 13.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 214, 63) }
```

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

```
.background{ background-color: rgb(152,  
214, 63) }
```

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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