

Converting Colors

XYZ(31.5586, 37.8590, 13.1944)

Have a look what the booklet for
XYZ(31.5586, 37.8590, 13.1944)
contains.

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Color

**XYZ(31.5279, 37.7043,
13.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	A5AB50
RGB	165, 171, 80
RGB Percent	65%, 67%, 31%
CMY	0.3529, 0.3294, 0.6863
CMYK	0.04, 0.00, 0.53, 0.33
HSL	64°, 36%, 49%
HSV	64°, 53%, 67%
XYZ	31.5279, 37.7043, 13.2054
YIQ	158.8320, 25.6350, -29.5730

Conversions

Conversions Part 2

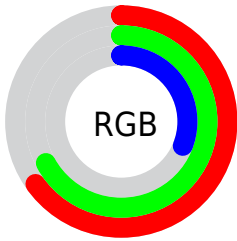
Format	Color
RYB	80, 171, 86
Decimal	10857296
CIELab	67.80, -15.10, 45.49
CIELCh	68, 47.929, 108.363
Yxy	37.7043, 0.3824, 0.4574
Android (android.graphics.Color)	4289047376 (0xFFA5AB50)
YUV	158.8320, -38.8642, 5.4093
Hunter-Lab	61.4038, -15.8056, 30.2319

Details

The XYZ color **31.5279, 37.7043, 13.2054** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.0584, 10.6569, 39.8463**, and the grayscale version is **33.0424, 34.7632, 37.8571**.

A 20% lighter version of the original color is **61.4854, 71.5883, 32.4071**, and **13.3741, 16.6619, 3.6736** is the 20% darker color. If you saturate the color by 10%, you get **30.7415, 37.3641, 10.2801**, and if you desaturate by 10%, it is **32.4790, 38.1133, 16.9793**.

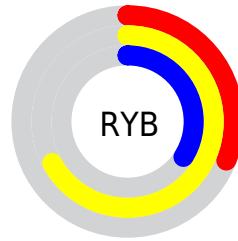
Distribution



Red (65%)

Green (67%)

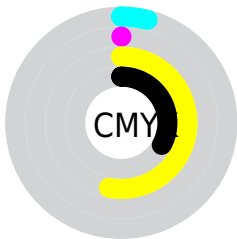
Blue (31%)



Red (31%)

Yellow (67%)

Blue (34%)

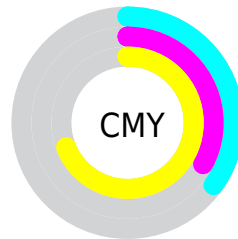


Cyan (4%)

Magenta (0%)

Yellow (53%)

Black (33%)



Cyan (35%)

Magenta (33%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5279, 37.7043, 13.2054 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 31.5279, 37.7043, 13.2054 by changing the saturation by 10% instead.

■ 31.5279, 37.7043,
13.2054

■ 31.5279, 37.7043,
13.2054

300.7467,
336.3498, 223.4837

■ 21.1550, 25.7533,
7.4377

■ 61.4405, 71.6547,
32.3689

■ 13.3504, 16.6392,
3.6548

■ 81.7108, 94.4228,
46.6018

■ 7.7489, 9.9776,
1.4379

■ 106.0109,
121.5655, 64.4935

■ 3.9852, 5.3841,
0.1710

■ 134.7063,
153.4670, 86.4627

■ 1.6938, 2.4743,
0.0000

■ 168.1622,
190.5118, 112.9277

■ 0.4524, 0.8637,
0.0000

206.7440,

■ 0.0000, 0.0000,

233.0842, 144.3072

0.0000

250.8170,
281.5688, 181.0197

■ 31.5279, 37.7043,
13.2054

■ 31.5279, 37.7043,
13.2054

■ 30.7415, 37.3641,
10.2801

■ 32.4790, 38.1133,
16.9793

■ 30.1047, 37.0826,
8.1353

■ 33.6032, 38.5905,
21.6580

■ 29.6039, 36.8558,
6.6967

■ 34.9116, 39.1416,
27.2960

■ 29.2223, 36.6769,
5.8743

■ 36.4136, 39.7703,
33.9424

■ 29.0052, 36.5723,
5.5304

■ 38.1179, 40.4803,
41.6432

■ 40.0328, 41.2746,
50.4415

■ 42.1658, 42.1565,
60.3781

■ 44.5244, 43.1289,
71.4916

■ 47.1156, 44.1946,
83.8188

Harmonies

Analogous

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



38.7919, 37.7043, 12.6315



31.5279, 37.7043, 13.2054



26.1976, 37.7043, 19.4524

Triad

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



31.5279, 37.7043, 13.2054



27.1699, 37.7043, 79.7827



51.7034, 37.7043, 49.8579

Complementary

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



31.5279, 37.7043, 13.2054



14.0584, 10.6569, 39.8463

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.



47.5905, 37.7043, 74.6196



31.5279, 37.7043, 13.2054



33.0357, 37.7043, 95.4775

Square

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



31.5279, 37.7043, 13.2054



23.9313, 37.7043, 55.3164



40.5214, 37.7043, 93.3162



51.1522, 37.7043, 29.4809

Rectangle

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



31.5279, 37.7043, 13.2054



24.1449, 37.7043, 27.7570



40.5214, 37.7043, 93.3162



50.7997, 37.7043, 58.0351

Sweetspot

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



31.5288, 37.7060, 13.2062



64.3485, 70.8621, 56.9382



21.4570, 15.6645, 9.4826



14.2291, 15.7519, 12.1613



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.5288, 37.7060, 13.2062



54.8148, 66.8088, 17.5698



23.8905, 33.7683, 12.8487



8.6097, 9.3029, 8.5552



21.8818, 27.5775, 4.1697



0.6240, 0.7750, 0.1167

Inverse Universe

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



14.0584, 10.6569, 39.8463



20.1660, 13.1191, 70.4713



19.4341, 13.4282, 40.0979



7.6260, 7.7815, 10.0527



5.6656, 2.2806, 29.1861



0.1731, 0.0714, 0.8127

Previews

White Background



This preview shows how the XYZ color 31.5279, 37.7043, 13.2054 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 31.5279, 37.7043, 13.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

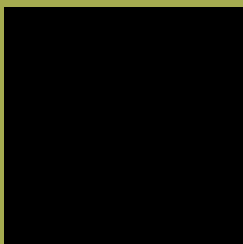
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5279, 37.7043, 13.2054

Background



This preview shows how black text looks on a background with the XYZ color 31.5279, 37.7043, 13.2054.



This preview shows how white text looks on a background with the XYZ color 31.5279, 37.7043,

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

31.5279, 37.7043, 13.2054

Protanopia

34.3587, 37.5276, 12.6404

Deuteranopia

38.2858, 37.4505, 13.5983



Tritanopia

38.0640, 37.6597, 45.3073

Trichromacy



Original Color

31.5279, 37.7043, 13.2054

Protanomaly

33.1345, 37.4321, 12.8759

Deuteranomaly

35.4679, 37.2840, 13.5108

Tritanomaly

34.9833, 37.4616, 30.1979

Monochromacy



Original Color

31.5279, 37.7043, 13.2054

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.8244, 35.3832, 26.2714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5279, 37.7043, 13.2054 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(165, 171, 80)` looks like.

```
.text, #text, p{  
    color:rgb(165, 171, 80)  
}
```

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(165, 171, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 171, 80) }
```

Border

The CSS property to change the border of an element to XYZ 31.5279, 37.7043, 13.2054 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(165, 171, 80) }
```


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

```
.border{ border-color:rgb(165, 171, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 171, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 171, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 171, 80);  
box-shadow:4px 4px 4px 4px rgb(165, 171,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5279, 37.7043, 13.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 171, 80) }
```

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

```
.background{ background-color: rgb(165,  
171, 80) }
```

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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