

Converting Colors

XYZ(30.8069, 36.9487, 13.7294)

Have a look what the booklet for
XYZ(30.8069, 36.9487, 13.7294)
contains.

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Color

**XYZ(30.8364, 37.0554,
13.7108)**

Conversions

Conversions Part 1

Format	Color
Hex	A2AA53
RGB	162, 170, 83
RGB Percent	64%, 67%, 33%
CMY	0.3647, 0.3333, 0.6745
CMYK	0.05, 0.00, 0.51, 0.33
HSL	66°, 34%, 50%
HSV	66°, 51%, 67%
XYZ	30.8364, 37.0554, 13.7108
YIQ	157.6900, 23.1590, -28.7530

Conversions

Conversions Part 2

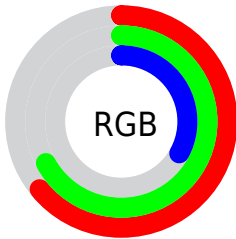
Format	Color
RYB	83, 170, 91
Decimal	10660435
CIELab	67.32, -15.56, 43.41
CIElCh	67, 46.113, 109.726
Yxy	37.0554, 0.3779, 0.4541
Android (android.graphics.Color)	4288850515 (0xFFA2AA53)
YUV	157.6900, -36.8222, 3.7799
Hunter-Lab	60.8731, -16.1056, 29.2570

Details

The XYZ color **30.8364, 37.0554, 13.7108** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.6647, 11.3139, 39.4433**, and the grayscale version is **32.5139, 34.2072, 37.2516**.

A 20% lighter version of the original color is **60.2118, 70.5051, 33.3570**, and **12.9373, 16.2548, 3.8945** is the 20% darker color. If you saturate the color by 10%, you get **29.9435, 36.6631, 10.6531**, and if you desaturate by 10%, it is **31.8960, 37.5175, 17.6179**.

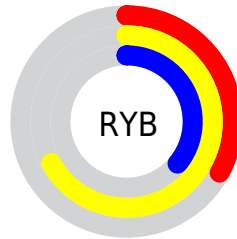
Distribution



Red (64%)

Green (67%)

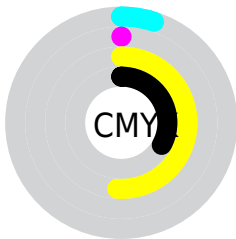
Blue (33%)



Red (33%)

Yellow (67%)

Blue (36%)

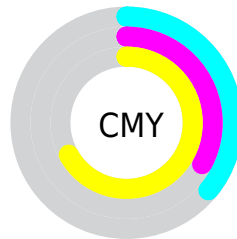


Cyan (5%)

Magenta (0%)

Yellow (51%)

Black (33%)



Cyan (36%)


Magenta (33%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8364, 37.0554, 13.7108 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 30.8364, 37.0554, 13.7108 by changing the saturation by 10% instead.


 30.8364, 37.0554,
13.7108


 30.8364, 37.0554,
13.7108


297.6243,
333.5503, 226.7897

 20.6255, 25.2504,
7.7834


 60.3600, 70.6580,
33.2847

 12.9614, 16.2637,
3.8709


 80.4034, 93.2243,
47.7682


 7.4788, 9.7109,
1.5548


 104.4551,
120.1466, 65.9409

 3.8123, 5.2077,
0.2582

 132.8803,
151.8092, 88.2212

 1.5965, 2.3697,
0.0000

 166.0445,
188.5964, 115.0277

 0.3901, 0.8102,
0.0000

204.3130,

 0.0000, 0.0000,

230.8928, 146.7789

0.0000

248.0511,
279.0826, 183.8934

■ 30.8364, 37.0554,
13.7108

■ 30.8364, 37.0554,
13.7108

■ 29.9435, 36.6631,
10.6531

■ 31.8960, 37.5175,
17.6179

■ 29.2026, 36.3307,
8.3793

■ 33.1304, 38.0487,
22.4287

■ 28.6010, 36.0545,
6.8184

■ 34.5503, 38.6545,
28.1958

■ 28.1225, 35.8280,
5.8852

■ 36.1649, 39.3386,
34.9670

■ 27.7713, 35.6569,
5.4188

■ 37.9827, 40.1045,
42.7872

■ 40.0116, 40.9553,
51.6982

■ 42.2592, 41.8941,
61.7397

■ 44.7326, 42.9236,
72.9495

■ 47.4387, 44.0467,
85.3635

Harmonies

Analogous

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



37.6956, 37.0554, 12.9195



30.8364, 37.0554, 13.7108



25.8498, 37.0554, 20.0812

Triad

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



30.8364, 37.0554, 13.7108



27.1576, 37.0554, 77.8453



50.3272, 37.0554, 47.6812

Complementary

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



30.8364, 37.0554, 13.7108



14.6647, 11.3139, 39.4433

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.



46.6184, 37.0554, 71.0372



30.8364, 37.0554, 13.7108



32.8553, 37.0554, 91.9265

Square

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



30.8364, 37.0554, 13.7108



23.9306, 37.0554, 54.9339



40.0006, 37.0554, 89.0868



49.5967, 37.0554, 28.6021

Rectangle

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



30.8364, 37.0554, 13.7108



23.9648, 37.0554, 28.3256



40.0006, 37.0554, 89.0868



49.5410, 37.0554, 55.3636

Sweetspot

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



30.8373, 37.0571, 13.7116



64.3702, 70.8457, 58.1831



21.8175, 16.5262, 10.2241



14.2212, 15.7423, 12.4152



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.



30.8373, 37.0571, 13.7116



54.1899, 66.4569, 18.8860



23.5796, 33.3156, 13.3719



8.0778, 8.7382, 8.0502



20.4525, 26.2409, 3.9870



0.5166, 0.6482, 0.0979

Inverse Universe

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



14.6647, 11.3139, 39.4433



21.6769, 14.6561, 70.6883



20.1419, 14.1375, 39.6996



7.1934, 7.3323, 9.4545



5.5125, 2.2252, 28.1145



0.1534, 0.0641, 0.6849

Previews

White Background



This preview shows how the XYZ color 30.8364, 37.0554, 13.7108 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 30.8364, 37.0554, 13.7108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

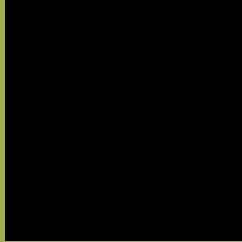
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8364, 37.0554, 13.7108

Background



This preview shows how black text looks on a background with the XYZ color 30.8364, 37.0554, 13.7108.



This preview shows how white text looks on a background with the XYZ color 30.8364, 37.0554,

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

30.8364, 37.0554, 13.7108

Protanopia

33.8167, 36.9688, 13.1379

Deuteranopia

37.6962, 36.8826, 14.1491



Tritanopia

37.1269, 36.9294, 44.7065

Trichromacy



Original Color

30.8364, 37.0554, 13.7108

Protanomaly

32.6148, 36.8803, 13.3823

Deuteranomaly

34.9181, 36.7264, 14.0526

Tritanomaly

34.1575, 36.7692, 30.1078

Monochromacy



Original Color

30.8364, 37.0554, 13.7108

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.3151, 34.8503, 26.5490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8364, 37.0554, 13.7108 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(162, 170, 83)` looks like.

```
.text, #text, p{  
    color:rgb(162, 170, 83)  
}
```

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(162, 170, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 170, 83) }
```

Border

The CSS property to change the border of an element to XYZ 30.8364, 37.0554, 13.7108 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(162, 170, 83) }
```


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

```
.border{ border-color:rgb(162, 170, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 170, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 170, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 170, 83);  
box-shadow:4px 4px 4px 4px rgb(162, 170,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8364, 37.0554, 13.7108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 170, 83) }
```

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

```
.background{ background-color: rgb(162,  
170, 83) }
```

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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