

Converting Colors

XYZ(30.8769, 37.0819, 20.8096)

Have a look what the booklet for
XYZ(30.8769, 37.0819, 20.8096)
contains.

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Color

**XYZ(31.0051, 37.2642,
20.8878)**

Conversions

Conversions Part 1

Format	Color
Hex	9BAB70
RGB	155, 171, 112
RGB Percent	61%, 67%, 44%
CMY	0.3922, 0.3294, 0.5608
CMYK	0.09, 0.00, 0.35, 0.33
HSL	76°, 26%, 55%
HSV	76°, 35%, 67%
XYZ	31.0051, 37.2642, 20.8878
YIQ	159.4900, 9.4030, -21.7410

Conversions

Conversions Part 2

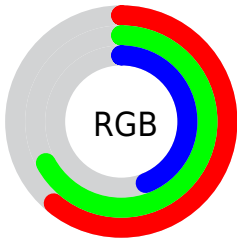
Format	Color
RYB	112, 171, 128
Decimal	10201968
CIELab	67.47, -15.61, 28.57
CIELCh	67, 32.562, 118.651
Yxy	37.2642, 0.3478, 0.4180
Android (android.graphics.Color)	4288392048 (0xFF9BAB70)
YUV	159.4900, -23.4126, -3.9377
Hunter-Lab	61.0444, -16.1657, 22.4436

Details

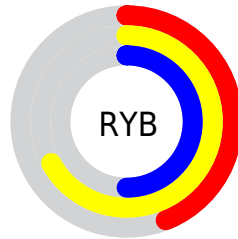
The XYZ color **31.0051, 37.2642, 20.8878** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.0484, 19.1188, 41.0583**, and the grayscale version is **33.2809, 35.0141, 38.1304**.

A 20% lighter version of the original color is **60.4755, 70.7747, 45.5954**, and **13.0875, 16.4361, 7.1853** is the 20% darker color. If you saturate the color by 10%, you get **29.2692, 36.4702, 16.2998**, and if you desaturate by 10%, it is **32.9580, 38.1515, 26.4314**.

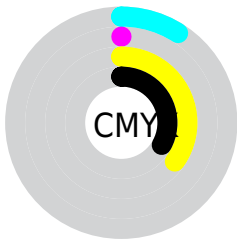
Distribution



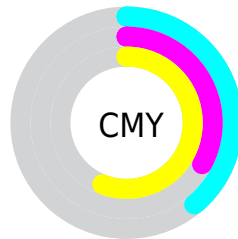
- Red (61%)
- Green (67%)
- Blue (44%)



- Red (44%)
- Yellow (67%)
- Blue (50%)



- Cyan (9%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)



- Cyan (39%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0051, 37.2642, 20.8878 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 31.0051, 37.2642, 20.8878 by changing the saturation by 10% instead.

■ 31.0051, 37.2642,
20.8878

■ 31.0051, 37.2642,
20.8878

298.3883,
334.4529, 269.4430

■ 20.7546, 25.4121,
12.8516

■ 60.6239, 70.9789,
45.7791

■ 13.0562, 16.3844,
7.1969

■ 80.7229, 93.6104,
63.4712

■ 7.5445, 9.7965,
3.5052

■ 104.8354,
120.6037, 85.2191

■ 3.8542, 5.2643,
1.3580

■ 133.3268,
152.3434, 111.4412

■ 1.6200, 2.4031,
0.1087

166.5624,
189.2137, 142.5561

■ 0.4054, 0.8275,
0.0000

204.9076,

■ 0.0000, 0.0000,

231.5992, 178.9824

0.0000

248.7278,
279.8841, 221.1385

■ 31.0051, 37.2642,
20.8878

■ 31.0051, 37.2642,
20.8878

■ 29.2692, 36.4702,
16.2998

■ 32.9580, 38.1515,
26.4314

■ 27.7367, 35.7603,
12.6109

■ 35.1348, 39.1310,
32.9781

■ 26.3970, 35.1313,
9.7625

■ 37.5457, 40.2082,
40.5749

■ 25.2369, 34.5780,
7.6877

■ 40.1993, 41.3866,
49.2655

■ 24.2416, 34.0943,
6.3100

■ 43.1037, 42.6694,
59.0907

■ 23.3930, 33.6731,
5.5365

■ 46.2667, 44.0598,
70.0896

■ 22.9659, 33.4589,
5.2478

■ 49.6956, 45.5608,
82.2990

■ 53.3975, 47.1752,
95.7546

■ 55.5730, 48.1833,
100.9790

Harmonies

Analogous

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



35.6454, 37.2642, 18.8004



31.0051, 37.2642, 20.8878



27.8247, 37.2642, 27.8673

Triad

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



31.0051, 37.2642, 20.8878



30.6477, 37.2642, 68.9302



45.9277, 37.2642, 41.2262

Complementary

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



31.0051, 37.2642, 20.8878



22.0484, 19.1188, 41.0583

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.



44.2817, 37.2642, 56.6542



31.0051, 37.2642, 20.8878



35.1926, 37.2642, 74.8027

Square

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



31.0051, 37.2642, 20.8878



27.6324, 37.2642, 55.2629



40.2320, 37.2642, 69.8574



44.5449, 37.2642, 28.7506

Rectangle

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



31.0051, 37.2642, 20.8878



26.8024, 37.2642, 35.3928



40.2320, 37.2642, 69.8574



45.7077, 37.2642, 46.2386

Sweetspot

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



31.0060, 37.2659, 20.8886



64.7371, 70.8908, 64.7098



27.4050, 25.1978, 18.7490



14.3070, 15.7510, 14.0245



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.



31.0060, 37.2659, 20.8886



53.2435, 65.6931, 31.3080



26.0586, 34.7153, 20.6571



8.4476, 9.2193, 8.5476



17.3642, 25.2487, 3.9583



0.5317, 0.7275, 0.1124

Inverse Universe

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



22.0484, 19.1188, 41.0583



34.8924, 28.4938, 72.6627



27.0963, 21.7211, 41.2946



7.7752, 7.8584, 10.0597



6.4482, 2.6840, 29.2227



0.2321, 0.1018, 0.8154

Previews

White Background



This preview shows how the XYZ color 31.0051, 37.2642, 20.8878 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 31.0051, 37.2642, 20.8878 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

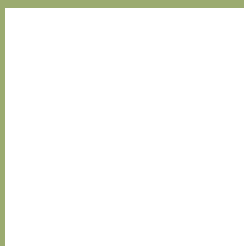
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0051, 37.2642, 20.8878

Background



This preview shows how black text looks on a background with the XYZ color 31.0051, 37.2642, 20.8878.



This preview shows how white text looks on a background with the XYZ color 31.0051, 37.2642,

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

31.0051, 37.2642, 20.8878

Protanopia

34.3959, 37.1200, 19.8200

Deuteranopia

37.6572, 36.9538, 21.3677



Tritanopia

36.0379, 37.1155, 46.3389

Trichromacy



Original Color

31.0051, 37.2642, 20.8878

Protanomaly

33.2108, 37.3093, 20.2029

Deuteranomaly

34.7800, 36.7589, 21.1817

Tritanomaly

33.8832, 37.0459, 35.5017

Monochromacy



Original Color

31.0051, 37.2642, 20.8878

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.0802, 35.4165, 30.7364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0051, 37.2642, 20.8878 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(155, 171, 112)` looks like.

```
.text, #text, p{  
    color:rgb(155, 171, 112)  
}
```

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(155, 171, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 171, 112) }
```

Border

The CSS property to change the border of an element to XYZ 31.0051, 37.2642, 20.8878 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(155, 171, 112) }
```


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

```
.border{ border-color:rgb(155, 171, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 171, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 171, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 171, 112);  
box-shadow:4px 4px 4px 4px rgb(155, 171,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0051, 37.2642, 20.8878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 171, 112) }
```

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

```
.background{ background-color: rgb(155,  
171, 112) }
```

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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