

Converting Colors

XYZ(31.5768, 29.9232, 38.7389)

Have a look what the booklet for
XYZ(31.5768, 29.9232, 38.7389)
contains.

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Color

**XYZ(31.5937, 29.8829,
38.7531)**

Conversions

Conversions Part 1

Format	Color
Hex	A48EA3
RGB	164, 142, 163
RGB Percent	64%, 56%, 64%
CMY	0.3569, 0.4431, 0.3608
CMYK	0.00, 0.13, 0.01, 0.36
HSL	303°, 11%, 60%
HSV	303°, 13%, 64%
XYZ	31.5937, 29.8829, 38.7531
YIQ	150.9720, 6.3710, 11.1950

Conversions

Conversions Part 2

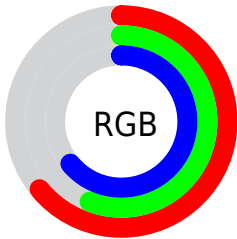
Format	Color
RYB	164, 142, 163
Decimal	10784419
CIELab	61.55, 12.08, -8.02
CIELCh	62, 14.499, 326.401
Yxy	29.8829, 0.3152, 0.2981
Android (android.graphics.Color)	4288974499 (0xFFA48EA3)
YUV	150.9720, 5.9298, 11.4256
Hunter-Lab	54.6653, 7.4996, -3.7660

Details

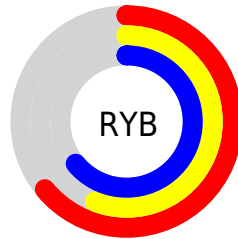
The XYZ color **31.5937, 29.8829, 38.7531** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.3899, 34.2857, 31.0570**, and the grayscale version is **29.3777, 30.9076, 33.6584**.

A 20% lighter version of the original color is **61.6082, 59.6019, 74.5869**, and **13.3785, 12.2467, 16.6977** is the 20% darker color. If you saturate the color by 10%, you get **29.2647, 25.3310, 37.6484**, and if you desaturate by 10%, it is **34.2839, 35.1556, 39.9808**.

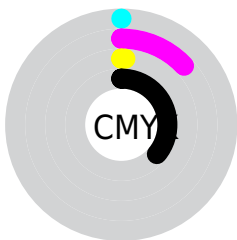
Distribution



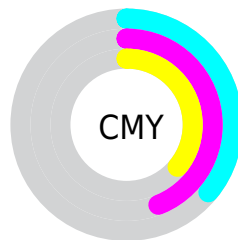
- Red (64%)
- Green (56%)
- Blue (64%)



- Red (64%)
- Yellow (56%)
- Blue (64%)



- Cyan (0%)
- Magenta (13%)
- Yellow (1%)
- Black (36%)



- Cyan (36%)
- Magenta (44%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5937, 29.8829, 38.7531 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 31.5937, 29.8829, 38.7531 by changing the saturation by 10% instead.

■ 31.5937, 29.8829,
38.7531

■ 31.5937, 29.8829,
38.7531

301.0425,
301.3582, 356.2342

■ 21.2054, 19.7497,
26.2614

■ 61.5431, 59.4769,
74.4772

■ 13.3875, 12.2132,
16.7917

■ 81.8349, 79.7066,
98.5466

■ 7.7748, 6.8891,
9.9257

■ 106.1586,
104.0705, 127.3123

■ 4.0018, 3.3928,
5.2448

134.8795,
132.9531, 161.1928

■ 1.7031, 1.3401,
2.3304

168.3630,
166.7388, 200.6067

■ 0.4582, 0.1719,
0.7481

206.9744,

■ 0.0000, 0.0000,

205.8120, 245.9726

0.0000

251.0791,
250.5570, 297.7089

■ 31.5937, 29.8829,
38.7531

■ 31.5937, 29.8829,
38.7531

■ 29.2647, 25.3310,
37.6484

■ 34.2839, 35.1556,
39.9808

■ 27.2785, 21.4647,
36.6596

■ 37.3473, 41.1746,
41.3345

■ 25.6194, 18.2518,
35.7818

■ 40.7986, 47.9687,
42.8195

■ 24.2691, 15.6560,
35.0089

■ 44.6510, 55.5643,
44.4401

■ 23.2078, 13.6374,
34.3341

■ 48.9169, 63.9864,
46.2005

■ 22.4130, 12.1514,
33.7502

■ 53.6084, 73.2589,
48.1047

■ 21.8594, 11.1469,
33.2486

■ 58.1585, 82.2480,
49.9637

■ 21.5163, 10.5630,
32.8191

■ 58.2283, 82.2759,
50.3313

■ 21.3570, 10.3114,
32.5594

■ 58.2985, 82.3040,
50.7010

Harmonies

Analogous

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



30.0780, 29.8829, 42.9686



31.5937, 29.8829, 38.7531



32.2533, 29.8829, 33.2063

Triad

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



31.5937, 29.8829, 38.7531



28.6354, 29.8829, 23.0757



25.2194, 29.8829, 37.4744

Complementary

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



31.5937, 29.8829, 38.7531



29.3899, 34.2857, 31.0570

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.



24.8717, 29.8829, 31.8775



31.5937, 29.8829, 38.7531



26.7909, 29.8829, 23.9478

Square

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



31.5937, 29.8829, 38.7531



30.4974, 29.8829, 24.4935



25.4343, 29.8829, 27.0246



26.4063, 29.8829, 42.1738

Rectangle

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



31.5937, 29.8829, 38.7531



32.0978, 29.8829, 29.6393



25.4343, 29.8829, 27.0246



25.0029, 29.8829, 35.6185

Sweetspot

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



31.5946, 29.8842, 38.7537



61.8862, 63.1372, 72.4164



27.6568, 27.8438, 39.0391



13.4481, 13.6432, 15.7950



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.5946, 29.8842, 38.7537



56.0615, 51.7256, 69.7419



30.6732, 29.5157, 33.9020



7.3504, 7.1966, 8.8314



16.3802, 7.9081, 24.9903



0.3481, 0.1677, 0.5459

Inverse Universe

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



31.5946, 29.8842, 38.7537



56.0615, 51.7256, 69.7419



30.2424, 34.6267, 35.5463



7.3504, 7.1966, 8.8314



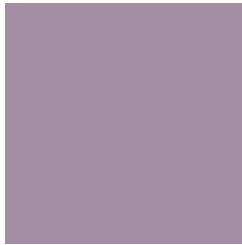
16.3802, 7.9081, 24.9903



0.3481, 0.1677, 0.5459

Previews

White Background



This preview shows how the XYZ color 31.5937, 29.8829, 38.7531 looks on a white background.

Color Contrast Check

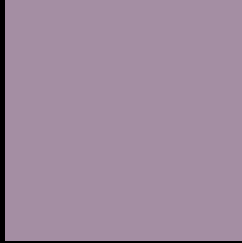
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5937, 29.8829, 38.7531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

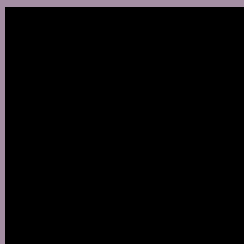
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5937, 29.8829, 38.7531

Background



This preview shows how black text looks on a background with the XYZ color 31.5937, 29.8829, 38.7531.



This preview shows how white text looks on a background with the XYZ color 31.5937, 29.8829,

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

31.5937, 29.8829, 38.7531

Protanopia

29.4190, 30.0808, 40.8148

Deuteranopia

30.5516, 30.0275, 38.3681



Tritanopia

30.8431, 29.7980, 35.1363

Trichromacy



Original Color

31.5937, 29.8829, 38.7531

Protanomaly

30.2987, 30.0832, 40.2861

Deuteranomaly

30.9921, 30.0287, 38.3451

Tritanomaly

31.0983, 29.9001, 36.4800

Monochromacy



Original Color

31.5937, 29.8829, 38.7531

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.2166, 30.6143, 35.3269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5937, 29.8829, 38.7531 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(164, 142, 163)` looks like.

```
.text, #text, p{  
    color:rgb(164, 142, 163)  
}
```

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(164, 142, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 142, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.5937, 29.8829, 38.7531 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(164, 142, 163) }
```


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

```
.border{ border-color:rgb(164, 142, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 142, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 142, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 142, 163);  
box-shadow:4px 4px 4px 4px rgb(164, 142,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5937, 29.8829, 38.7531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 142, 163) }
```

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

```
.background{ background-color: rgb(164,  
142, 163) }
```

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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