

Converting Colors

XYZ(31.3612, 37.8760, 36.8642)

Have a look what the booklet for
XYZ(31.3612, 37.8760, 36.8642)
contains.

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Color

**XYZ(31.3690, 37.9570,
36.6835)**

Conversions

Conversions Part 1

Format	Color
Hex	89AE9B
RGB	137, 174, 155
RGB Percent	54%, 68%, 61%
CMY	0.4627, 0.3176, 0.3922
CMYK	0.21, 0.00, 0.11, 0.32
HSL	149°, 19%, 61%
HSV	149°, 21%, 68%
XYZ	31.3690, 37.9570, 36.6835
YIQ	160.7710, -15.9530, -13.7530

Conversions

Conversions Part 2

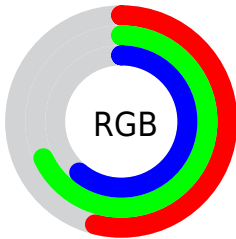
Format	Color
RYB	137, 162, 174
Decimal	9023131
CIELab	67.99, -16.49, 5.64
CIElCh	68, 17.426, 161.108
Yxy	37.9570, 0.2959, 0.3581
Android (android.graphics.Color)	4287213211 (0xFF89AE9B)
YUV	160.7710, -2.8451, -20.8472
Hunter-Lab	61.6093, -16.9310, 7.8239

Details

The XYZ color **31.3690, 37.9570, 36.6835** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.4033, 29.2913, 35.4001**, and the grayscale version is **33.7889, 35.5486, 38.7124**.

A 20% lighter version of the original color is **61.2913, 72.2734, 71.0414**, and **13.1738, 16.6527, 15.6167** is the 20% darker color. If you saturate the color by 10%, you get **28.0207, 36.3155, 32.7536**, and if you desaturate by 10%, it is **35.2350, 39.8611, 40.9292**.

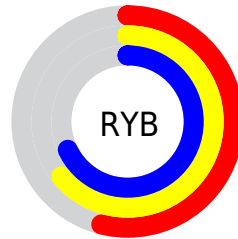
Distribution



Red (54%)

Green (68%)

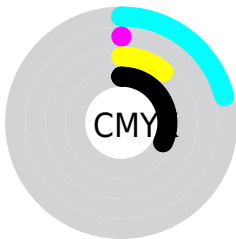
Blue (61%)



Red (54%)

Yellow (64%)

Blue (68%)

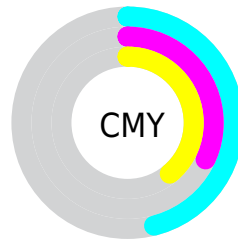


Cyan (21%)

Magenta (0%)

Yellow (11%)

Black (32%)



Cyan (46%)

Magenta (32%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3690, 37.9570, 36.6835 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 31.3690, 37.9570, 36.6835 by changing the saturation by 10% instead.

■ 31.3690, 37.9570,
36.6835

■ 31.3690, 37.9570,
36.6835

300.0313,
337.4355, 347.0656

■ 21.0332, 25.9493,
24.6687

■ 61.1925, 72.0422,
71.2666

■ 13.2609, 16.7857,
15.6136

■ 81.4108, 94.8886,
94.6720

■ 7.6867, 10.0818,
9.0998

■ 105.6541,
122.1166, 122.7113

■ 3.9452, 5.4533,
4.7086

134.2876,
154.1106, 155.8030

■ 1.6712, 2.5156,
2.0216

167.6767,
191.2552, 194.3658

■ 0.4381, 0.8844,
0.5685

206.1868,

■ 0.0000, 0.0000,

233.9346, 238.8181

0.0000

250.1832,
282.5332, 289.5785

■ 31.3690, 37.9570,
36.6835

■ 31.3690, 37.9570,
36.6835

■ 28.0207, 36.3155,
32.7536

■ 35.2350, 39.8611,
40.9292

■ 25.1637, 34.9199,
29.1297

■ 39.6372, 42.0340,
45.4951

■ 22.7740, 33.7591,
25.8049

■ 44.5971, 44.4877,
50.3890

■ 20.8243, 32.8191,
22.7713

■ 50.1340, 47.2321,
55.6175

■ 19.2842, 32.0844,
20.0205

■ 56.2663, 50.2765,
61.1869

■ 18.1191, 31.5374,
17.5438

■ 63.0116, 53.6299,
67.1035

■ 17.2885, 31.1573,
15.3315

■ 68.9731, 56.5720,
73.3072

■ 16.7624, 30.9237,
13.6060

■ 70.1713, 57.0513,
79.6168

■ 71.4335, 57.5562,
86.2634

Harmonies

Analogous

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



32.7590, 37.9570, 31.0752



31.3690, 37.9570, 36.6835



31.2025, 37.9570, 44.2703

Triad

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



31.3690, 37.9570, 36.6835



37.0900, 37.9570, 57.7663



40.1465, 37.9570, 32.2747

Complementary

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



31.3690, 37.9570, 36.6835



32.4033, 29.2913, 35.4001

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.



41.4344, 37.9570, 38.5204



31.3690, 37.9570, 36.6835



39.6118, 37.9570, 53.6209

Square

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



31.3690, 37.9570, 36.6835



34.4163, 37.9570, 57.1134



41.2339, 37.9570, 46.3504



37.7903, 37.9570, 28.7585

Rectangle

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



31.3690, 37.9570, 36.6835



31.7978, 37.9570, 49.5264



41.2339, 37.9570, 46.3504



40.7239, 37.9570, 34.0895

Sweetspot

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



31.3701, 37.9586, 36.6843



67.9053, 74.2718, 78.4372



33.3856, 39.1595, 29.4665



14.9804, 16.4523, 17.3169



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.3701, 37.9586, 36.6843



53.6294, 67.2445, 62.7646



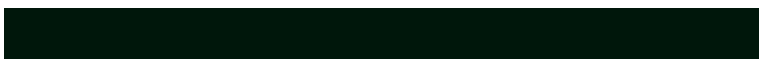
33.0339, 38.6241, 45.4458



8.0607, 9.0019, 9.3448



12.1871, 22.4401, 10.0250



0.3668, 0.6354, 0.4249

Inverse Universe

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



32.4033, 29.2913, 35.4001



55.8763, 48.3955, 59.9711



30.9621, 28.7148, 27.8108



8.1705, 8.0814, 9.2085



14.0095, 7.0663, 7.6955



0.4173, 0.2076, 0.3591

Previews

White Background



This preview shows how the XYZ color 31.3690, 37.9570, 36.6835 looks on a white background.

Color Contrast Check

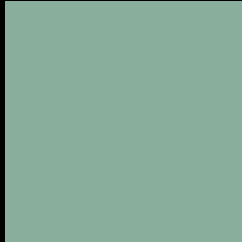
Large Text (above 18pt) WCAG AA × Fail

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 31.3690, 37.9570, 36.6835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

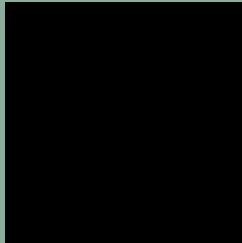
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

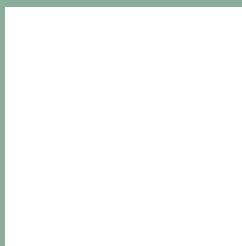
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3690, 37.9570, 36.6835

Background



This preview shows how black text looks on a background with the XYZ color 31.3690, 37.9570, 36.6835.



This preview shows how white text looks on a background with the XYZ color 31.3690, 37.9570,

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

31.3690, 37.9570, 36.6835

Protanopia

35.9734, 37.8829, 34.2703

Deuteranopia

38.5095, 37.8006, 37.6143



Tritanopia

34.0773, 37.9191, 50.3228

Trichromacy



Original Color

31.3690, 37.9570, 36.6835

Protanomaly

33.9682, 37.6432, 35.1813

Deuteranomaly

35.4773, 37.5601, 37.2783

Tritanomaly

32.9210, 37.7184, 45.0804

Monochromacy



Original Color

31.3690, 37.9570, 36.6835

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.8431, 36.4510, 38.1056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3690, 37.9570, 36.6835 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(137, 174, 155)` looks like.

```
.text, #text, p{  
    color:rgb(137, 174, 155)  
}
```

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(137, 174, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 174, 155) }
```

Border

The CSS property to change the border of an element to XYZ 31.3690, 37.9570, 36.6835 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(137, 174, 155) }
```


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

```
.border{ border-color:rgb(137, 174, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 174, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 174, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 174, 155);  
box-shadow:4px 4px 4px 4px rgb(137, 174,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3690, 37.9570, 36.6835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 174, 155) }
```

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

```
.background{ background-color: rgb(137,  
174, 155) }
```

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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