

Converting Colors

XYZ(31.9652, 37.5694, 46.7867)

Have a look what the booklet for
XYZ(31.9652, 37.5694, 46.7867)
contains.

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Color

**XYZ(31.7949, 37.3855,
46.6146)**

Conversions

Conversions Part 1

Format	Color
Hex	82ACB0
RGB	130, 172, 176
RGB Percent	51%, 67%, 69%
CMY	0.4902, 0.3255, 0.3098
CMYK	0.26, 0.02, 0.00, 0.31
HSL	185°, 23%, 60%
HSV	185°, 26%, 69%
XYZ	31.7949, 37.3855, 46.6146
YIQ	159.8980, -26.3160, -7.6600

Conversions

Conversions Part 2

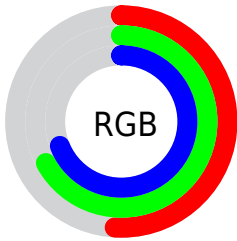
Format	Color
RYB	130, 152, 176
Decimal	8563888
CIELab	67.57, -13.10, -6.66
CIELCh	68, 14.699, 206.934
Yxy	37.3855, 0.2746, 0.3229
Android (android.graphics.Color)	4286753968 (0xFF82ACB0)
YUV	159.8980, 7.9383, -26.2205
Hunter-Lab	61.1437, -14.1809, -2.4008

Details

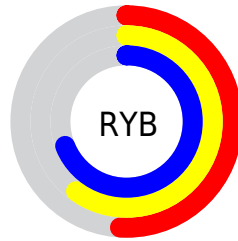
The XYZ color **31.7949, 37.3855, 46.6146** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.4592, 27.8921, 24.8981**, and the grayscale version is **33.3408, 35.0771, 38.1990**.

A 20% lighter version of the original color is **61.8017, 70.9547, 86.7823**, and **13.5790, 16.5504, 21.5476** is the 20% darker color. If you saturate the color by 10%, you get **29.0337, 35.5333, 46.4032**, and if you desaturate by 10%, it is **35.0235, 39.4855, 46.8504**.

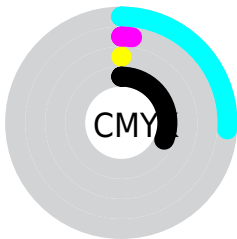
Distribution



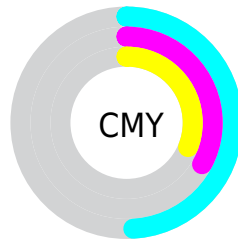
- Red (51%)
- Green (67%)
- Blue (69%)



- Red (51%)
- Yellow (60%)
- Blue (69%)



- Cyan (26%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)



- Cyan (49%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7949, 37.3855, 46.6146 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 31.7949, 37.3855, 46.6146 by changing the saturation by 10% instead.

■ 31.7949, 37.3855,
46.6146

■ 31.7949, 37.3855,
46.6146

301.9458,
334.9765, 389.6232

■ 21.3597, 25.5061,
32.3789

■ 61.8568, 71.1653,
86.4820

■ 13.5011, 16.4545,
21.3839

■ 82.2142, 93.8345,
112.9508

■ 7.8539, 9.8464,
13.2109

■ 106.6096,
120.8690, 144.3344

■ 4.0526, 5.2972,
7.4415

135.4085,
152.6534, 181.0513

■ 1.7319, 2.4227,
3.6571

168.9763,
189.5719, 223.5201

■ 0.4761, 0.8375,
1.4392

207.6781,

■ 0.0000, 0.0000,

232.0090, 272.1594

0.1720

251.8795,
280.3491, 327.3875

■ 0.0000, 0.0000,
0.0000

■ 31.7949, 37.3855,
46.6146

■ 31.7949, 37.3855,
46.6146

■ 29.0337, 35.5333,
46.4032

■ 35.0235, 39.4855,
46.8504

■ 26.7130, 33.9122,
46.2127

■ 38.7379, 41.8400,
47.1091

■ 24.8083, 32.5105,
46.0425

■ 42.9597, 44.4611,
47.3925

■ 23.2915, 31.3137,
45.8914

■ 47.7082, 47.3587,
47.7015

■ 22.1307, 30.3054,
45.7580

■ 53.0017, 50.5423,
48.0370

■ 21.2893, 29.4665,
45.6404

■ 58.8575, 54.0209,
48.3998

■ 20.7185, 28.7721,
45.5365

■ 65.2922, 57.8029,
48.7907

■ 20.5301, 28.5216,
45.4980

■ 66.2669, 58.7753,
48.9270

■ 66.5869, 59.4153,
49.0337

Harmonies

Analogous

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



31.3645, 37.3855, 40.0438



31.7949, 37.3855, 46.6146



33.2128, 37.3855, 52.0654

Triad

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



31.7949, 37.3855, 46.6146



39.3055, 37.3855, 47.8892



35.7669, 37.3855, 29.4901

Complementary

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



31.7949, 37.3855, 46.6146



30.4592, 27.8921, 24.8981

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.



37.9605, 37.3855, 31.1328



31.7949, 37.3855, 46.6146



40.0571, 37.3855, 41.3764

Square

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



31.7949, 37.3855, 46.6146



37.5409, 37.3855, 52.8544



39.5549, 37.3855, 35.3199



33.5995, 37.3855, 30.5789

Rectangle

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



31.7949, 37.3855, 46.6146



34.5594, 37.3855, 54.0885



39.5549, 37.3855, 35.3199



36.5263, 37.3855, 29.7365

Sweetspot

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



31.7960, 37.3870, 46.6155



68.8340, 74.9889, 85.3417



29.0234, 37.5137, 28.2052



14.6947, 16.1108, 18.4795



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.



31.7960, 37.3870, 46.6155



54.8558, 65.9353, 84.3309



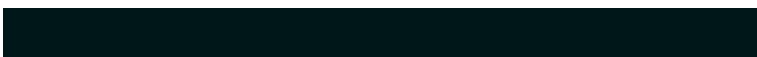
27.8169, 29.4288, 45.2891



8.6783, 9.5027, 10.8831



15.0846, 20.9695, 33.3895



0.4930, 0.6965, 1.0567

Inverse Universe

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



33.3344, 28.1747, 42.7129



58.1225, 46.6602, 75.9794



33.9632, 34.9001, 26.0661



8.8175, 8.6337, 10.5376



17.8487, 8.6570, 25.4267



0.5709, 0.2761, 0.8488

Previews

White Background



This preview shows how the XYZ color 31.7949, 37.3855, 46.6146 looks on a white background.

Color Contrast Check

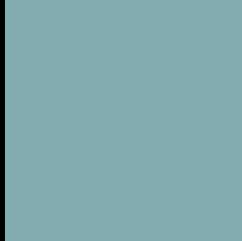
Large Text (above 18pt) WCAG AA × Fail

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 31.7949, 37.3855, 46.6146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

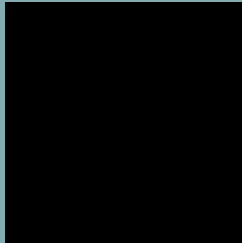
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

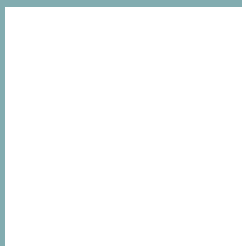
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7949, 37.3855, 46.6146

Background



This preview shows how black text looks on a background with the XYZ color 31.7949, 37.3855, 46.6146.



This preview shows how white text looks on a background with the XYZ color 31.7949, 37.3855,

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

31.7949, 37.3855, 46.6146

Protanopia

35.9649, 37.1340, 43.8001

Deuteranopia

37.7684, 36.9352, 47.7864



Tritanopia

32.7304, 37.4920, 50.8590

Trichromacy



Original Color

31.7949, 37.3855, 46.6146

Protanomaly

34.1279, 36.9650, 44.8714

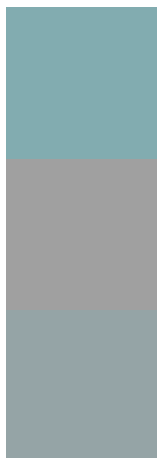
Deuteranomaly

35.2160, 36.9334, 47.3923

Tritanomaly

32.2635, 37.2873, 49.2128

Monochromacy



Original Color

31.7949, 37.3855, 46.6146

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.5528, 35.6937, 41.2502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7949, 37.3855, 46.6146 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(130, 172, 176)` looks like.

```
.text, #text, p{  
    color:rgb(130, 172, 176)  
}
```

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(130, 172, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 172, 176) }
```

Border

The CSS property to change the border of an element to XYZ 31.7949, 37.3855, 46.6146 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(130, 172, 176) }
```


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

```
.border{ border-color:rgb(130, 172, 176) }
```

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

Here you see how a box with a 4 pixel rgb(130, 172, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 172, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 172, 176);  
box-shadow:4px 4px 4px 4px rgb(130, 172,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7949, 37.3855, 46.6146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 172, 176) }
```

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

```
.background{ background-color: rgb(130,  
172, 176) }
```

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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