

Converting Colors

XYZ(31.2065, 37.7310, 45.7882)

Have a look what the booklet for
XYZ(31.2065, 37.7310, 45.7882)
contains.

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Color

**XYZ(31.0882, 37.6132,
45.6659)**

Conversions

Conversions Part 1

Format	Color
Hex	7CAEAE
RGB	124, 174, 174
RGB Percent	49%, 68%, 68%
CMY	0.5137, 0.3176, 0.3176
CMYK	0.29, 0.00, 0.00, 0.32
HSL	180°, 24%, 58%
HSV	180°, 29%, 68%
XYZ	31.0882, 37.6132, 45.6659
YIQ	159.0500, -29.8000, -10.6000

Conversions

Conversions Part 2

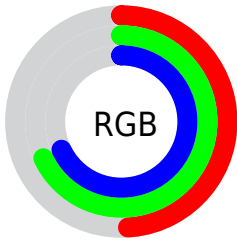
Format	Color
RYB	124, 149, 174
Decimal	8171182
CIELab	67.73, -16.42, -5.34
CIELCh	68, 17.270, 197.999
Yxy	37.6132, 0.2718, 0.3289
Android (android.graphics.Color)	4286361262 (0xFF7CAEAE)
YUV	159.0500, 7.3703, -30.7389
Hunter-Lab	61.3296, -16.8445, -1.2165

Details

The XYZ color **31.0882, 37.6132, 45.6659** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.3026, 24.8703, 22.3790**, and the grayscale version is **32.9555, 34.6718, 37.7575**.

A 20% lighter version of the original color is **60.7998, 71.7157, 84.7668**, and **13.0979, 16.4964, 20.9061** is the 20% darker color. If you saturate the color by 10%, you get **28.7924, 36.4306, 45.5589**, and if you desaturate by 10%, it is **33.8300, 39.0276, 45.7954**.

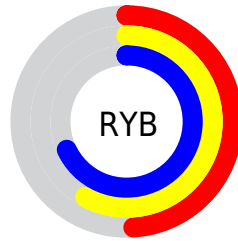
Distribution



Red (49%)

Green (68%)

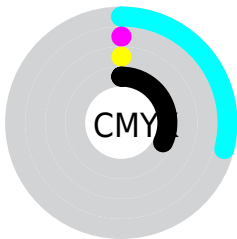
Blue (68%)



Red (49%)

Yellow (58%)

Blue (68%)

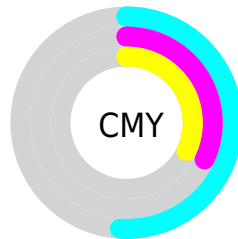


Cyan (29%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (51%)

Magenta (32%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0882, 37.6132, 45.6659 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 31.0882, 37.6132, 45.6659 by changing the saturation by 10% instead.

■ 31.0882, 37.6132,
45.6659

■ 31.0882, 37.6132,
45.6659

298.7641,
335.9578, 385.7023

■ 20.8182, 25.6826,
31.6355

■ 60.7538, 71.5149,
85.0478

■ 13.1029, 16.5864,
20.8207

■ 80.8801, 94.2548,
111.2363

■ 7.5769, 9.9400,
12.8031

■ 105.0225,
121.3666, 142.3147

■ 3.8749, 5.3592,
7.1639

133.5464,
153.2347, 178.7014

■ 1.6316, 2.4595,
3.4848

166.8172,
190.2434, 220.8149

■ 0.4129, 0.8563,
1.3472

205.2001,

■ 0.0000, 0.0000,

232.7773, 269.0739

0.1000

249.0607,
281.2206, 323.8969

■ 0.0000, 0.0000,
0.0000

■ 31.0882, 37.6132,
45.6659

■ 31.0882, 37.6132,
45.6659

■ 28.7924, 36.4306,
45.5589

■ 33.8300, 39.0276,
45.7954

■ 26.9158, 35.4632,
45.4706

■ 37.0360, 40.6803,
45.9459

■ 25.4343, 34.6995,
45.4009

■ 40.7275, 42.5834,
46.1190

■ 24.3194, 34.1247,
45.3483

■ 44.9236, 44.7465,
46.3158

■ 23.5394, 33.7226,
45.3114

■ 49.6423, 47.1791,
46.5371

■ 23.0568, 33.4738,
45.2884

■ 54.9006, 49.8898,
46.7836

■ 22.8038, 33.3434,
45.2762

■ 60.7149, 52.8872,
47.0561

■ 22.7762, 33.3292,
45.2748

■ 64.0174, 54.5897,
47.2110

■ 64.0175, 54.5897,
47.2114

Harmonies

Analogous

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



30.9617, 37.6132, 37.9738



31.0882, 37.6132, 45.6659



32.4250, 37.6132, 52.8763

Triad

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



31.0882, 37.6132, 45.6659



39.7011, 37.6132, 51.5972



36.8279, 37.6132, 28.1947

Complementary

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



31.0882, 37.6132, 45.6659



28.3026, 24.8703, 22.3790

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.



39.2953, 37.6132, 30.9744



31.0882, 37.6132, 45.6659



41.0086, 37.6132, 44.0870

Square

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



31.0882, 37.6132, 45.6659



37.3596, 37.6132, 56.5831



40.8565, 37.6132, 36.5786



34.1878, 37.6132, 28.5062

Rectangle

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



31.0882, 37.6132, 45.6659



33.8620, 37.6132, 56.1488



40.8565, 37.6132, 36.5786



37.7074, 37.6132, 28.7828

Sweetspot

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



31.0893, 37.6147, 45.6668



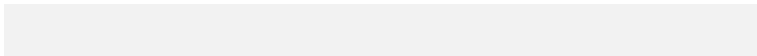
66.9130, 73.6511, 83.3256



27.2084, 36.0763, 24.5989



14.6763, 16.2688, 18.5108



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.



31.0893, 37.6147, 45.6668



53.8517, 66.9178, 82.7124



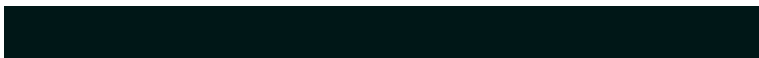
26.8330, 29.1018, 44.2491



8.2363, 9.0721, 10.2696



16.5191, 24.1729, 32.8368



0.4595, 0.6725, 0.9135

Inverse Universe

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



28.3026, 24.8703, 22.3790



48.0233, 40.2628, 34.0062



31.7111, 31.6874, 23.5144



8.0053, 8.0154, 8.3386



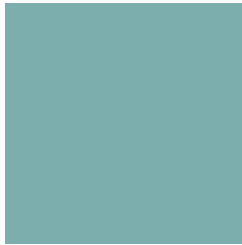
12.6607, 6.5268, 0.5927



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 31.0882, 37.6132, 45.6659 looks on a white background.

Color Contrast Check

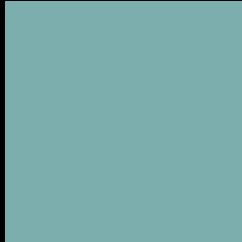
Large Text (above 18pt) WCAG AA × Fail

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 31.0882, 37.6132, 45.6659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

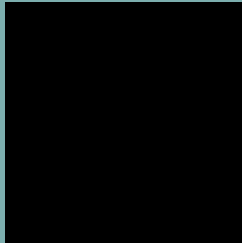
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0882, 37.6132, 45.6659

Background



This preview shows how black text looks on a background with the XYZ color 31.0882, 37.6132, 45.6659.



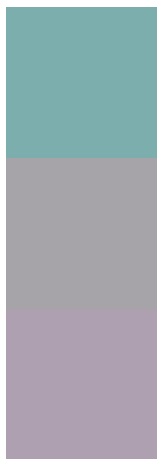
This preview shows how white text looks on a background with the XYZ color 31.0882, 37.6132,

45.6659.

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

31.0882, 37.6132, 45.6659

Protanopia

36.0692, 37.4851, 42.3801

Deuteranopia

38.1858, 37.4299, 46.8071



Tritanopia

32.3678, 37.5622, 51.9986

Trichromacy



Original Color

31.0882, 37.6132, 45.6659

Protanomaly

34.0208, 37.4869, 43.4728

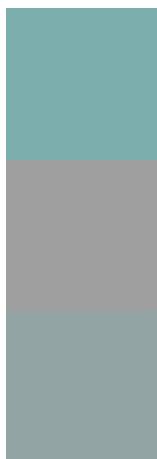
Deuteranomaly

35.0019, 37.1128, 46.3930

Tritanomaly

31.9913, 37.7002, 49.8467

Monochromacy



Original Color

31.0882, 37.6132, 45.6659

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.8304, 35.3422, 40.2661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0882, 37.6132, 45.6659 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(124, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(124, 174, 174)  
}
```

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(124, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 174, 174) }
```

Border

The CSS property to change the border of an element to XYZ 31.0882, 37.6132, 45.6659 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(124, 174, 174) }
```


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

```
.border{ border-color:rgb(124, 174, 174) }
```

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

Here you see how a box with a 4 pixel rgb(124, 174, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(124, 174,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0882, 37.6132, 45.6659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 174, 174) }
```

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

```
.background{ background-color: rgb(124,  
174, 174) }
```

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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