

Converting Colors

XYZ(31.8816, 37.7389, 43.7089)

Have a look what the booklet for
XYZ(31.8816, 37.7389, 43.7089)
contains.

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Color

**XYZ(31.8721, 37.7760,
43.6419)**

Conversions

Conversions Part 1

Format	Color
Hex	85ADAA
RGB	133, 173, 170
RGB Percent	52%, 68%, 67%
CMY	0.4784, 0.3216, 0.3333
CMYK	0.23, 0.00, 0.02, 0.32
HSL	175°, 20%, 60%
HSV	175°, 23%, 68%
XYZ	31.8721, 37.7760, 43.6419
YIQ	160.6980, -22.8770, -9.4130

Conversions

Conversions Part 2

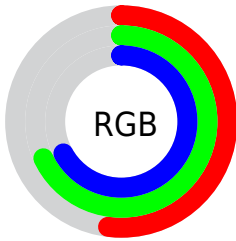
Format	Color
RYB	133, 154, 173
Decimal	8760746
CIELab	67.86, -14.07, -2.88
CIELCh	68, 14.366, 191.578
Yxy	37.7760, 0.2813, 0.3334
Android (android.graphics.Color)	4286950826 (0xFF85ADAA)
YUV	160.6980, 4.5859, -24.2911
Hunter-Lab	61.4622, -14.9951, 0.9240

Details

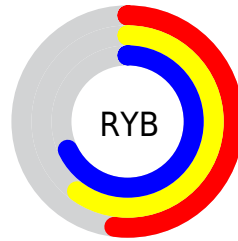
The XYZ color **31.8721, 37.7760, 43.6419** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.0663, 27.4378, 27.0053**, and the grayscale version is **33.7240, 35.4803, 38.6380**.

A 20% lighter version of the original color is **62.1034, 72.0397, 81.8660**, and **13.5871, 16.7766, 19.6616** is the 20% darker color. If you saturate the color by 10%, you get **29.2406, 36.4345, 42.8814**, and if you desaturate by 10%, it is **34.9569, 39.3530, 44.4315**.

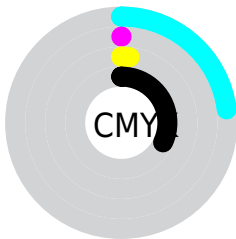
Distribution



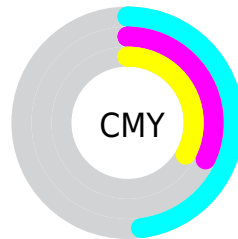
- Red (52%)
- Green (68%)
- Blue (67%)



- Red (52%)
- Yellow (60%)
- Blue (68%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)



- Cyan (48%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8721, 37.7760, 43.6419 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 31.8721, 37.7760, 43.6419 by changing the saturation by 10% instead.

■ 31.8721, 37.7760,
43.6419

■ 31.8721, 37.7760,
43.6419

302.2919,
336.6581, 377.2435

■ 21.4189, 25.8089,
30.0540

■ 61.9771, 71.7647,
81.9753

■ 13.5447, 16.6807,
19.6271

■ 82.3596, 94.5550,
107.5579

■ 7.8843, 10.0071,
11.9429

■ 106.7825,
121.7219, 137.9758

■ 4.0722, 5.4037,
6.5828

135.6113,
153.6497, 173.6475

■ 1.7431, 2.4860,
3.1281

169.2113,
190.7228, 214.9916

■ 0.4830, 0.8696,
1.1604

207.9478,

■ 0.0000, 0.0000,

233.3257, 262.4266

0.0000

252.1862,
281.8426, 316.3710

■ 31.8721, 37.7760,
43.6419

■ 31.8721, 37.7760,
43.6419

■ 29.2406, 36.4345,
42.8814

■ 34.9569, 39.3530,
44.4315

■ 27.0371, 35.3126,
42.1465

■ 38.5122, 41.1714,
45.2487

■ 25.2389, 34.3994,
41.4368

■ 42.5583, 43.2427,
46.0953

■ 23.8196, 33.6814,
40.7512

■ 47.1134, 45.5763,
46.9720

■ 22.7502, 33.1437,
40.0882

■ 52.1948, 48.1810,
47.8798

■ 21.9969, 32.7688,
39.4462

■ 57.8188, 51.0653,
48.8194

■ 21.5197, 32.5361,
38.8234

■ 64.0013, 54.2374,
49.7916

■ 21.2911, 32.4273,
38.4033

■ 64.4622, 54.4597,
50.5024

■ 64.5955, 54.5131,
51.2044

Harmonies

Analogous

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



31.9944, 37.7760, 37.3775



31.8721, 37.7760, 43.6419



32.7967, 37.7760, 49.8169

Triad

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



31.8721, 37.7760, 43.6419



38.8217, 37.7760, 51.0020



37.2749, 37.7760, 30.5612

Complementary

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



31.8721, 37.7760, 43.6419



30.0663, 27.4378, 27.0053

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.



39.2036, 37.7760, 33.5195



31.8721, 37.7760, 43.6419



40.1218, 37.7760, 45.1291

Square

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



31.8721, 37.7760, 43.6419



36.7711, 37.7760, 54.3502



40.2644, 37.7760, 38.7195



35.0525, 37.7760, 30.2515

Rectangle

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



31.8721, 37.7760, 43.6419



33.9056, 37.7760, 52.8845



40.2644, 37.7760, 38.7195



37.9814, 37.7760, 31.2634

Sweetspot

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



31.8732, 37.7775, 43.6428



66.3198, 72.3766, 80.4430



29.3858, 36.8444, 27.7537



14.3338, 15.6887, 17.4641



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.



31.8732, 37.7775, 43.6428



54.4524, 66.3134, 77.4208



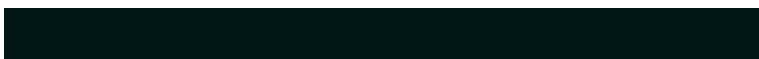
29.1612, 31.8938, 44.1562



8.2100, 9.0616, 10.1309



15.6500, 23.8253, 28.2605



0.4429, 0.6658, 0.8257

Inverse Universe

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



30.0663, 27.4378, 27.0053



50.6180, 44.3636, 42.1082



32.3217, 32.2854, 26.7190



8.0287, 8.0247, 8.4621



12.7228, 6.5516, 0.9196



0.3616, 0.1853, 0.0662

Previews

White Background



This preview shows how the XYZ color 31.8721, 37.7760, 43.6419 looks on a white background.

Color Contrast Check

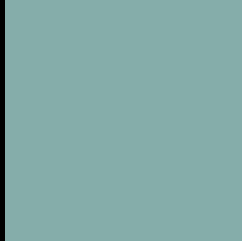
Large Text (above 18pt) WCAG AA × Fail

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 31.8721, 37.7760, 43.6419 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

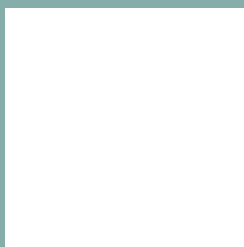
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8721, 37.7760, 43.6419

Background



This preview shows how black text looks on a background with the XYZ color 31.8721, 37.7760, 43.6419.

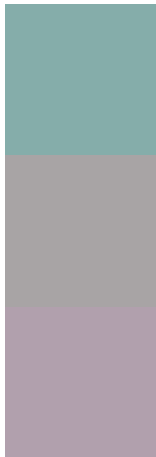


This preview shows how white text looks on a background with the XYZ color 31.8721, 37.7760,

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

31.8721, 37.7760, 43.6419

Protanopia

36.2154, 37.5924, 40.9446

Deuteranopia

38.2451, 37.5059, 44.7588



Tritanopia

33.3680, 37.8208, 50.8889

Trichromacy



Original Color

31.8721, 37.7760, 43.6419

Protanomaly

34.3113, 37.3960, 41.9690

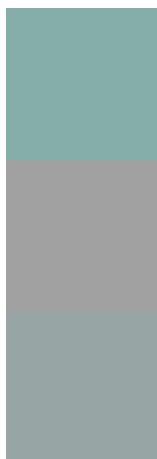
Deuteranomaly

35.5995, 37.4659, 44.3851

Tritanomaly

32.8809, 37.9106, 48.2323

Monochromacy



Original Color

31.8721, 37.7760, 43.6419

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.9185, 36.1699, 40.3685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8721, 37.7760, 43.6419 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(133, 173, 170)` looks like.

```
.text, #text, p{  
    color:rgb(133, 173, 170)  
}
```

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(133, 173, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 173, 170) }
```

Border

The CSS property to change the border of an element to XYZ 31.8721, 37.7760, 43.6419 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(133, 173, 170) }
```


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

```
.border{ border-color:rgb(133, 173, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 173, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 173, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 173, 170);  
box-shadow:4px 4px 4px 4px rgb(133, 173,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8721, 37.7760, 43.6419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 173, 170) }
```

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

```
.background{ background-color: rgb(133,  
173, 170) }
```

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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