

Converting Colors

XYZ(31.7959, 37.3056, 43.4099)

Have a look what the booklet for
XYZ(31.7959, 37.3056, 43.4099)
contains.

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Color

**XYZ(31.8103, 37.1790,
43.5299)**

Conversions

Conversions Part 1

Format	Color
Hex	87ABAA
RGB	135, 171, 170
RGB Percent	53%, 67%, 67%
CMY	0.4706, 0.3294, 0.3333
CMYK	0.21, 0.00, 0.01, 0.33
HSL	178°, 18%, 60%
HSV	178°, 21%, 67%
XYZ	31.8103, 37.1790, 43.5299
YIQ	160.1220, -21.1350, -7.9430

Conversions

Conversions Part 2

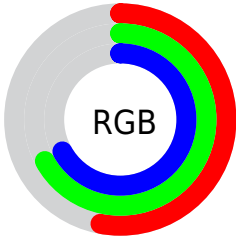
Format	Color
R _Y B	135, 153, 171
Decimal	8891306
CIE Lab	67.41, -12.38, -3.52
CIE LCh	67, 12.875, 195.879
Yxy	37.1790, 0.2827, 0.3304
Android (android.graphics.Color)	4287081386 (0xFF87ABAA)
YUV	160.1220, 4.8699, -22.0320
Hunter-Lab	60.9746, -13.5825, 0.3549

Details

The XYZ color **31.8103, 37.1790, 43.5299** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.9038, 27.7645, 27.0771**, and the grayscale version is **33.4559, 35.1983, 38.3309**.

A 20% lighter version of the original color is **61.7732, 70.6478, 81.6148**, and **13.5230, 16.3865, 19.5897** is the 20% darker color. If you saturate the color by 10%, you get **29.2323, 35.8561, 43.1754**, and if you desaturate by 10%, it is **34.8326, 38.7328, 43.9077**.

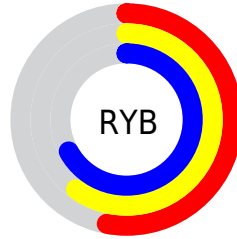
Distribution



Red (53%)

Green (67%)

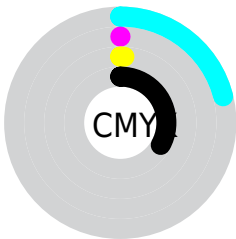
Blue (67%)



Red (53%)

Yellow (60%)

Blue (67%)

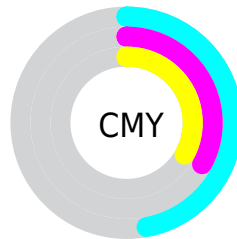


Cyan (21%)

Magenta (0%)

Yellow (1%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8103, 37.1790, 43.5299 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 31.8103, 37.1790, 43.5299 by changing the saturation by 10% instead.

■ 31.8103, 37.1790,
43.5299

■ 31.8103, 37.1790,
43.5299

302.0149,
334.0848, 376.7715

■ 21.3715, 25.3461,
29.9666

■ 61.8808, 70.8480,
81.8048

■ 13.5098, 16.3351,
19.5614

■ 82.2432, 93.4529,
107.3535

■ 7.8600, 9.7616,
11.8957

■ 106.6441,
120.4173, 137.7345

■ 4.0565, 5.2412,
6.5510

135.4490,
152.1255, 173.3662

■ 1.7342, 2.3895,
3.1088

169.0232,
188.9620, 214.6672

■ 0.4775, 0.8205,
1.1505

207.7320,

■ 0.0000, 0.0000,

231.3111, 262.0561

0.0000

251.9407,
279.5572, 315.9513

■ 31.8103, 37.1790,
43.5299

■ 31.8103, 37.1790,
43.5299

■ 29.2323, 35.8561,
43.1754

■ 34.8326, 38.7328,
43.9077

■ 27.0742, 34.7488,
42.8405

■ 38.3155, 40.5231,
44.3071

■ 25.3144, 33.8467,
42.5252

■ 42.2787, 42.5609,
44.7298

■ 23.9279, 33.1371,
42.2282

■ 46.7395, 44.8553,
45.1766

■ 22.8871, 32.6057,
41.9481

■ 51.7146, 47.4147,
45.6484

■ 22.1602, 32.2360,
41.6837

■ 57.2197, 50.2474,
46.1459

■ 21.7099, 32.0090,
41.4330

■ 63.2701, 53.3612,
46.6697

■ 21.4688, 31.8892,
41.2170

■ 63.4250, 53.4357,
46.9185

■ 63.4714, 53.4543,
47.1630

Harmonies

Analogous

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



31.7822, 37.1790, 37.8865



31.8103, 37.1790, 43.5299



32.7599, 37.1790, 48.7992

Triad

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



31.8103, 37.1790, 43.5299



38.1335, 37.1790, 48.5325



36.2719, 37.1790, 30.8265

Complementary

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



31.8103, 37.1790, 43.5299



29.9038, 27.7645, 27.0771

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.



38.0469, 37.1790, 33.1673



31.8103, 37.1790, 43.5299



39.1486, 37.1790, 43.1926

Square

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



31.8103, 37.1790, 43.5299



36.3865, 37.1790, 51.8658



39.1163, 37.1790, 37.5791



34.3089, 37.1790, 30.8985

Rectangle

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



31.8103, 37.1790, 43.5299



33.8087, 37.1790, 51.2378



39.1163, 37.1790, 37.5791



36.9118, 37.1790, 31.3471

Sweetspot

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



31.8114, 37.1805, 43.5307



65.3608, 70.8971, 78.9816



29.1231, 36.1276, 28.3608



14.4890, 15.7658, 17.6032



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.



31.8114, 37.1805, 43.5307



54.8475, 65.4954, 77.6739



28.9321, 31.2697, 43.0406



8.2266, 9.0682, 10.2180



16.1870, 24.0401, 31.0880



0.4532, 0.6699, 0.8803

Inverse Universe

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



29.9038, 27.7645, 27.0771



50.8465, 45.7441, 43.1619



32.3649, 32.8001, 27.5476



8.0139, 8.0188, 8.3843



12.6836, 6.5360, 0.7133



0.3557, 0.1830, 0.0349

Previews

White Background



This preview shows how the XYZ color 31.8103, 37.1790, 43.5299 looks on a white background.

Color Contrast Check

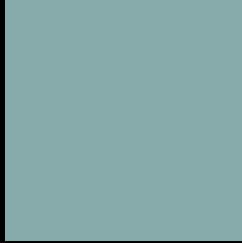
Large Text (above 18pt) WCAG AA × Fail

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 31.8103, 37.1790, 43.5299 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

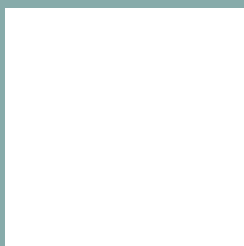
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8103, 37.1790, 43.5299

Background



This preview shows how black text looks on a background with the XYZ color 31.8103, 37.1790, 43.5299.

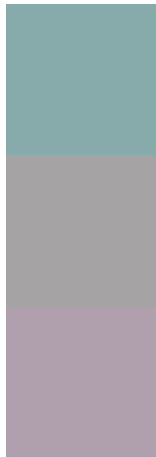


This preview shows how white text looks on a background with the XYZ color 31.8103, 37.1790,

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

31.8103, 37.1790, 43.5299

Protanopia

35.6146, 37.0180, 40.8654

Deuteranopia

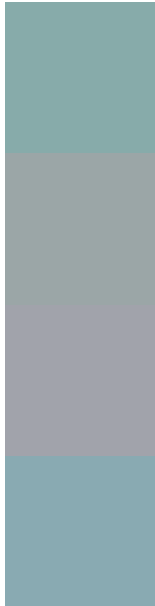
37.7490, 37.0049, 44.1828



Tritanopia

33.2164, 37.1981, 50.2290

Trichromacy



Original Color

31.8103, 37.1790, 43.5299

Protanomaly

34.1288, 37.0310, 41.9081

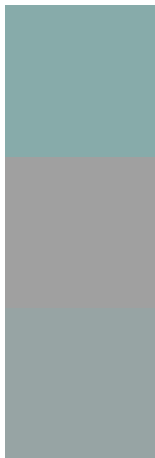
Deuteranomaly

35.1458, 36.7117, 43.7618

Tritanomaly

32.7271, 37.2822, 47.5908

Monochromacy



Original Color

31.8103, 37.1790, 43.5299

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.7388, 35.8106, 40.3086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8103, 37.1790, 43.5299 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(135, 171, 170)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 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(135, 171, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 170) }
```

Border

The CSS property to change the border of an element to XYZ 31.8103, 37.1790, 43.5299 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(135, 171, 170) }
```


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

```
.border{ border-color:rgb(135, 171, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 171, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 171, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 171, 170);  
box-shadow:4px 4px 4px 4px rgb(135, 171,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8103, 37.1790, 43.5299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 170) }
```

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

```
.background{ background-color: rgb(135,  
171, 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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