

Converting Colors

XYZ(31.2018, 37.7184, 35.7729)

Have a look what the booklet for
XYZ(31.2018, 37.7184, 35.7729)
contains.

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Color

**XYZ(31.1746, 37.5903,
35.7496)**

Conversions

Conversions Part 1

Format	Color
Hex	8AAD99
RGB	138, 173, 153
RGB Percent	54%, 68%, 60%
CMY	0.4588, 0.3216, 0.4000
CMYK	0.20, 0.00, 0.12, 0.32
HSL	146°, 18%, 61%
HSV	146°, 20%, 68%
XYZ	31.1746, 37.5903, 35.7496
YIQ	160.2550, -14.4400, -13.6400

Conversions

Conversions Part 2

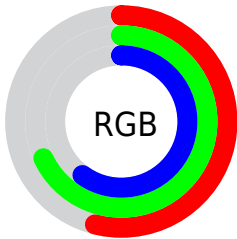
Format	Color
RYB	138, 163, 173
Decimal	9088409
CIELab	67.72, -16.03, 6.37
CIELCh	68, 17.250, 158.345
Yxy	37.5903, 0.2983, 0.3597
Android (android.graphics.Color)	4287278489 (0xFF8AAD99)
YUV	160.2550, -3.5767, -19.5176
Hunter-Lab	61.3109, -16.5327, 8.3464

Details

The XYZ color **31.1746, 37.5903, 35.7496** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.4950, 29.5308, 36.3368**, and the grayscale version is **33.5528, 35.3002, 38.4419**.

A 20% lighter version of the original color is **61.0200, 71.7501, 69.6645**, and **13.1661, 16.6603, 15.0922** is the 20% darker color. If you saturate the color by 10%, you get **27.7542, 35.9186, 31.5025**, and if you desaturate by 10%, it is **35.1207, 39.5273, 40.3761**.

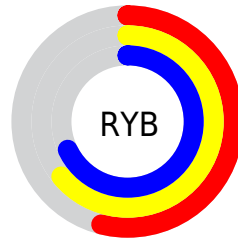
Distribution



Red (54%)

Green (68%)

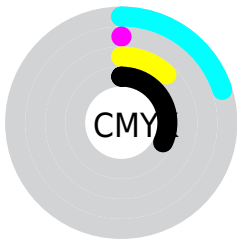
Blue (60%)



Red (54%)

Yellow (64%)

Blue (68%)

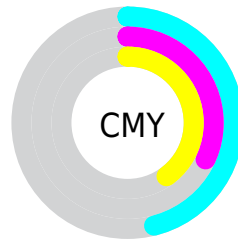


Cyan (20%)

Magenta (0%)

Yellow (12%)

Black (32%)



Cyan (46%)

Magenta (32%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1746, 37.5903, 35.7496 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 31.1746, 37.5903, 35.7496 by changing the saturation by 10% instead.

■ 31.1746, 37.5903,
35.7496

■ 31.1746, 37.5903,
35.7496

299.1544,
335.8592, 342.8690

■ 20.8843, 25.6649,
23.9527

■ 60.8888, 71.4797,
69.8101

■ 13.1514, 16.5731,
15.0867

■ 81.0435, 94.2125,
92.9108

■ 7.6106, 9.9306,
8.7329

■ 105.2170,
121.3166, 120.6165

■ 3.8965, 5.3530,
4.4730

133.7747,
153.1762, 153.3457

■ 1.6438, 2.4558,
1.8882

167.0819,
190.1759, 191.5170

■ 0.4207, 0.8544,
0.4852

205.5040,

■ 0.0000, 0.0000,

232.7001, 235.5490

0.0000

249.4064,
281.1330, 285.8602

■ 31.1746, 37.5903,
35.7496

■ 31.1746, 37.5903,
35.7496

■ 27.7542, 35.9186,
31.5025

■ 35.1207, 39.5273,
40.3761

■ 24.8333, 34.4956,
27.6227

■ 39.6110, 41.7359,
45.3888

■ 22.3879, 33.3104,
24.1010

■ 44.6671, 44.2279,
50.7974

■ 20.3907, 32.3490,
20.9269

■ 50.3083, 47.0132,
56.6105

■ 18.8117, 31.5961,
18.0895

■ 56.5531, 50.1012,
62.8364

■ 17.6167, 31.0345,
15.5770

■ 63.4189, 53.5007,
69.4833

■ 16.7659, 30.6437,
13.3769

■ 69.3968, 56.4335,
76.4875

■ 16.1850, 30.3848,
11.5150

■ 70.7629, 56.9800,
83.6817

■ 72.2081, 57.5581,
91.2921

Harmonies

Analogous

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



32.6429, 37.5903, 30.4654



31.1746, 37.5903, 35.7496



30.8948, 37.5903, 43.0964

Triad

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



31.1746, 37.5903, 35.7496



36.4773, 37.5903, 57.2332



39.8997, 37.5903, 32.4837

Complementary

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



31.1746, 37.5903, 35.7496



32.4950, 29.5308, 36.3368

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.



41.0417, 37.5903, 38.8364



31.1746, 37.5903, 35.7496



39.0025, 37.5903, 53.5510

Square

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



31.1746, 37.5903, 35.7496



33.8708, 37.5903, 56.1394



40.7055, 37.5903, 46.5869



37.6528, 37.5903, 28.7494

Rectangle

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



31.1746, 37.5903, 35.7496



31.4059, 37.5903, 48.2995



40.7055, 37.5903, 46.5869



40.4304, 37.5903, 34.3501

Sweetspot

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



31.1756, 37.5919, 35.7504



66.0951, 72.3605, 75.9286



33.7150, 39.0352, 29.8029



14.2569, 15.6729, 16.3808



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.



31.1756, 37.5919, 35.7504



53.1541, 66.0115, 60.7575



32.6897, 38.1975, 43.7232



8.0416, 8.9942, 9.2442



11.9173, 22.3322, 8.6040



0.3593, 0.6324, 0.3855

Inverse Universe

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



32.4950, 29.5308, 36.3368



55.9219, 49.0973, 61.9855



31.1247, 28.9827, 29.1213



8.1898, 8.0892, 9.3102



14.3394, 7.1983, 9.4326



0.4256, 0.2109, 0.4029

Previews

White Background



This preview shows how the XYZ color 31.1746, 37.5903, 35.7496 looks on a white background.

Color Contrast Check

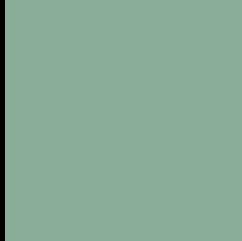
Large Text (above 18pt) WCAG AA × Fail

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 31.1746, 37.5903, 35.7496 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

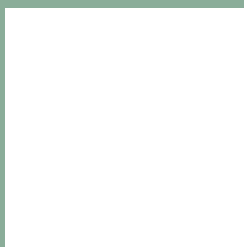
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1746, 37.5903, 35.7496

Background



This preview shows how black text looks on a background with the XYZ color 31.1746, 37.5903, 35.7496.



This preview shows how white text looks on a background with the XYZ color 31.1746, 37.5903,

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

31.1746, 37.5903, 35.7496

Protanopia

35.4153, 37.3470, 33.3591

Deuteranopia

38.1661, 37.3869, 36.6573



Tritanopia

33.9592, 37.5930, 49.7223

Trichromacy



Original Color

31.1746, 37.5903, 35.7496

Protanomaly

33.6218, 37.2104, 34.2644

Deuteranomaly

35.1282, 37.1330, 36.3263

Tritanomaly

32.7099, 37.3524, 44.0138

Monochromacy



Original Color

31.1746, 37.5903, 35.7496

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.4898, 36.0200, 37.1384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1746, 37.5903, 35.7496 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(138, 173, 153)` looks like.

```
.text, #text, p{  
    color:rgb(138, 173, 153)  
}
```

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(138, 173, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 173, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.1746, 37.5903, 35.7496 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(138, 173, 153) }
```


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

```
.border{ border-color:rgb(138, 173, 153) }
```

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

Here you see how a box with a 4 pixel rgb(138, 173, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 173, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 173, 153);  
box-shadow:4px 4px 4px 4px rgb(138, 173,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1746, 37.5903, 35.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 173, 153) }
```

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

```
.background{ background-color: rgb(138,  
173, 153) }
```

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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