

Converting Colors

XYZ(31.8526, 37.4682, 43.6581)

Have a look what the booklet for
XYZ(31.8526, 37.4682, 43.6581)
contains.

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Color

**XYZ(31.8397, 37.4757,
43.5856)**

Conversions

Conversions Part 1

Format	Color
Hex	86ACAA
RGB	134, 172, 170
RGB Percent	53%, 67%, 67%
CMY	0.4745, 0.3255, 0.3333
CMYK	0.22, 0.00, 0.01, 0.33
HSL	177°, 19%, 60%
HSV	177°, 22%, 67%
XYZ	31.8397, 37.4757, 43.5856
YIQ	160.4100, -22.0060, -8.6780

Conversions

Conversions Part 2

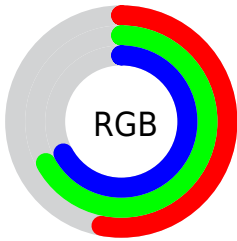
Format	Color
RYB	134, 154, 172
Decimal	8826026
CIELab	67.63, -13.23, -3.20
CIELCh	68, 13.613, 193.613
Yxy	37.4757, 0.2820, 0.3319
Android (android.graphics.Color)	4287016106 (0xFF86ACAA)
YUV	160.4100, 4.7279, -23.1616
Hunter-Lab	61.2174, -14.2911, 0.6389

Details

The XYZ color **31.8397, 37.4757, 43.5856** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.9836, 27.5993, 27.0409**, and the grayscale version is **33.5898, 35.3391, 38.4843**.

A 20% lighter version of the original color is **61.7987, 71.0658, 81.6941**, and **13.5538, 16.5799, 19.6254** is the 20% darker color. If you saturate the color by 10%, you get **29.2330, 36.1427, 43.0183**, and if you desaturate by 10%, it is **34.8951, 39.0418, 44.1786**.

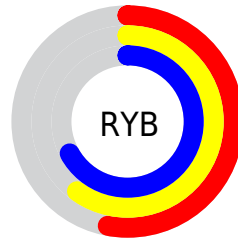
Distribution



Red (53%)

Green (67%)

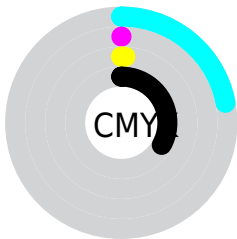
Blue (67%)



Red (53%)

Yellow (60%)

Blue (67%)

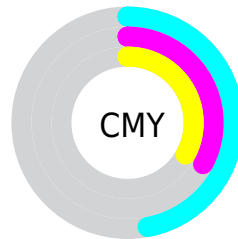


Cyan (22%)

Magenta (0%)

Yellow (1%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8397, 37.4757, 43.5856 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 31.8397, 37.4757, 43.5856 by changing the saturation by 10% instead.

■ 31.8397, 37.4757,
43.5856

■ 31.8397, 37.4757,
43.5856

302.1467,
335.3655, 377.0063

■ 21.3940, 25.5760,
30.0101

■ 61.9266, 71.3038,
81.8896

■ 13.5264, 16.5067,
19.5941

■ 82.2985, 94.0010,
107.4552

■ 7.8715, 9.8834,
11.9192

■ 106.7100,
121.0662, 137.8545

■ 4.0640, 5.3217,
6.5668

135.5262,
152.8838, 173.5061

■ 1.7384, 2.4372,
3.1184

169.1127,
189.8381, 214.8285

■ 0.4801, 0.8450,
1.1554

207.8347,

■ 0.0000, 0.0000,

232.3135, 262.2404

0.0000

252.0575,
280.6945, 316.1601

■ 31.8397, 37.4757,
43.5856

■ 31.8397, 37.4757,
43.5856

■ 29.2330, 36.1427,
43.0183

■ 34.8951, 39.0418,
44.1786

■ 27.0502, 35.0273,
42.4732

■ 38.4160, 40.8469,
44.7956

■ 25.2690, 34.1188,
41.9499

■ 42.4223, 42.9022,
45.4385

■ 23.8639, 33.4041,
41.4472

■ 46.9318, 45.2168,
46.1080

■ 22.8065, 32.8686,
40.9640

■ 51.9615, 47.7994,
46.8049

■ 22.0641, 32.4954,
40.4985

■ 57.5274, 50.6585,
47.5301

■ 21.5980, 32.2646,
40.0490

■ 63.6450, 53.8019,
48.2842

■ 21.3587, 32.1487,
39.7018

■ 63.9542, 53.9508,
48.7696

■ 64.0450, 53.9872,
49.2480

Harmonies

Analogous

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



31.8866, 37.4757, 37.6302



31.8397, 37.4757, 43.5856



32.7770, 37.4757, 49.3069

Triad

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



31.8397, 37.4757, 43.5856



38.4762, 37.4757, 49.7571



36.7702, 37.4757, 30.6911

Complementary

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



31.8397, 37.4757, 43.5856



29.9836, 27.5993, 27.0409

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.



38.6218, 37.4757, 33.3407



31.8397, 37.4757, 43.5856



39.6329, 37.4757, 44.1528

Square

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



31.8397, 37.4757, 43.5856



36.5778, 37.4757, 53.0992



39.6873, 37.4757, 38.1446



34.6782, 37.4757, 30.5714

Rectangle

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



31.8397, 37.4757, 43.5856



33.8560, 37.4757, 52.0578



39.6873, 37.4757, 38.1446



37.4433, 37.4757, 31.3027

Sweetspot

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



31.8408, 37.4772, 43.5864



66.3673, 72.3956, 80.6931



29.2968, 36.5069, 28.0572



14.3450, 15.6931, 17.5227



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.



31.8408, 37.4772, 43.5864



55.1132, 66.6306, 78.5078



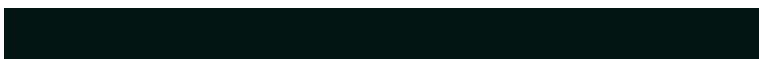
29.0893, 31.6687, 43.6111



8.2178, 9.0647, 10.1721



15.9001, 23.9253, 29.5772



0.4477, 0.6677, 0.8513

Inverse Universe

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



29.9836, 27.5993, 27.0409



51.0819, 45.1852, 42.5908



32.2986, 32.4550, 27.1169



8.0217, 8.0219, 8.4252



12.7041, 6.5442, 0.8212



0.3588, 0.1842, 0.0514

Previews

White Background



This preview shows how the XYZ color 31.8397, 37.4757, 43.5856 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 31.8397, 37.4757, 43.5856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

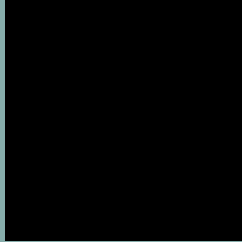
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8397, 37.4757, 43.5856

Background



This preview shows how black text looks on a background with the XYZ color 31.8397, 37.4757, 43.5856.

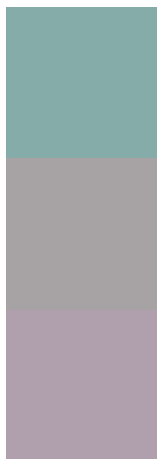


This preview shows how white text looks on a background with the XYZ color 31.8397, 37.4757,

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

31.8397, 37.4757, 43.5856

Protanopia

35.8251, 37.1265, 40.8753

Deuteranopia

37.8455, 37.0435, 44.6906



Tritanopia

33.3430, 37.5285, 50.8338

Trichromacy



Original Color

31.8397, 37.4757, 43.5856

Protanomaly

34.1288, 37.0310, 41.9081

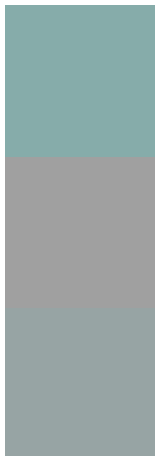
Deuteranomaly

35.4198, 37.1065, 44.3252

Tritanomaly

32.8529, 37.6147, 48.1767

Monochromacy



Original Color

31.8397, 37.4757, 43.5856

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 31.8397, 37.4757, 43.5856 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(134, 172, 170)` looks like.

```
.text, #text, p{  
    color:rgb(134, 172, 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(134, 172, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 172, 170) }
```

Border

The CSS property to change the border of an element to XYZ 31.8397, 37.4757, 43.5856 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(134, 172, 170) }
```


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

```
.border{ border-color:rgb(134, 172, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 172, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 172, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 172, 170);  
box-shadow:4px 4px 4px 4px rgb(134, 172,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8397, 37.4757, 43.5856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 172, 170) }
```

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

```
.background{ background-color: rgb(134,  
172, 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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