

Converting Colors

XYZ(31.7150, 32.5500, 18.1993)

Have a look what the booklet for
XYZ(31.7150, 32.5500, 18.1993)
contains.

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Color

**XYZ(31.5726, 32.4039,
18.2262)**

Conversions

Conversions Part 1

Format	Color
Hex	B0976A
RGB	176, 151, 106
RGB Percent	69%, 59%, 42%
CMY	0.3098, 0.4078, 0.5843
CMYK	0.00, 0.14, 0.40, 0.31
HSL	39°, 31%, 55%
HSV	39°, 40%, 69%
XYZ	31.5726, 32.4039, 18.2262
YIQ	153.3450, 29.3450, -8.6950

Conversions

Conversions Part 2

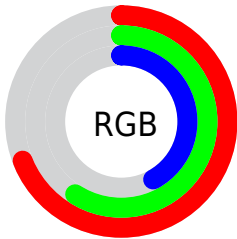
Format	Color
RYB	145, 176, 106
Decimal	11573098
CIELab	63.68, 2.85, 27.15
CIELCh	64, 27.297, 84.003
Yxy	32.4039, 0.3841, 0.3942
Android (android.graphics.Color)	4289763178 (0xFFB0976A)
YUV	153.3450, -23.3411, 19.8684
Hunter-Lab	56.9244, -0.6144, 20.8635

Details

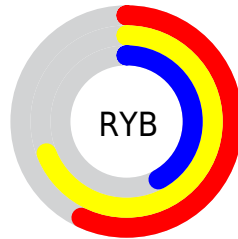
The XYZ color **31.5726, 32.4039, 18.2262** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.8964, 22.4306, 44.2497**, and the grayscale version is **30.5189, 32.1083, 34.9659**.

A 20% lighter version of the original color is **61.6071, 63.4549, 41.3487**, and **13.3469, 13.5574, 5.9164** is the 20% darker color. If you saturate the color by 10%, you get **29.7652, 30.1066, 13.5623**, and if you desaturate by 10%, it is **33.6234, 34.8872, 23.8987**.

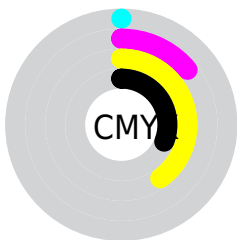
Distribution



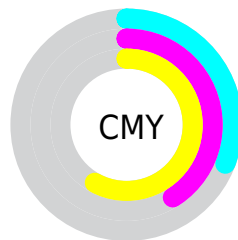
- Red (69%)
- Green (59%)
- Blue (42%)



- Red (57%)
- Yellow (69%)
- Blue (42%)



- Cyan (0%)
- Magenta (14%)
- Yellow (40%)
- Black (31%)





- Cyan (31%)
- Magenta (41%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5726, 32.4039, 18.2262 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 31.5726, 32.4039, 18.2262 by changing the saturation by 10% instead.


 31.5726, 32.4039,
18.2262


 31.5726, 32.4039,
18.2262

300.9477,
312.9551, 254.4217


 21.1892, 21.6702,
10.9414


 61.5102, 63.4437,
41.2415


 13.3756, 13.6148,
5.9138


 81.7951, 84.5187,
57.8091

 7.7665, 7.8532,
2.7248


 106.1112,
109.8094, 78.3080

 3.9964, 4.0012,
0.9559

 134.8239,
139.7005, 103.1569

 1.7001, 1.6742,
0.0000

168.2986,
174.5762, 132.7741

 0.4563, 0.4069,
0.0000

206.9005,

 0.0000, 0.0000,

214.8209, 167.5783

0.0000

250.9951,
260.8191, 207.9880

■ 31.5726, 32.4039,
18.2262

■ 31.5726, 32.4039,
18.2262

■ 29.7652, 30.1066,
13.5623

■ 33.6234, 34.8872,
23.8987

■ 28.1865, 27.9846,
9.8439

■ 35.9265, 37.5579,
30.6339

■ 26.8234, 26.0324,
7.0035

■ 38.4935, 40.4229,
38.4842

■ 25.6606, 24.2424,
4.9641

■ 41.3342, 43.4875,
47.4983

■ 24.6799, 22.6062,
3.6350

■ 44.4580, 46.7567,
57.7216

■ 23.8449, 21.1075,
2.8289

■ 47.8738, 50.2352,
69.1972

■ 23.8267, 21.0745,
2.8120

■ 51.5900, 53.9275,
81.9663

■ 55.6148, 57.8382,
96.0678

■ 58.4049, 61.3509,
103.3714

Harmonies

Analogous

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



35.3201, 32.4039, 20.8549



31.5726, 32.4039, 18.2262



27.9071, 32.4039, 19.3452

Triad

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



31.5726, 32.4039, 18.2262



24.5654, 32.4039, 44.5483



37.1309, 32.4039, 49.1441

Complementary

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



31.5726, 32.4039, 18.2262



21.8964, 22.4306, 44.2497

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.



33.8840, 32.4039, 58.1950



31.5726, 32.4039, 18.2262



26.6810, 32.4039, 55.1810

Square

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



31.5726, 32.4039, 18.2262



24.0573, 32.4039, 33.1302



30.0380, 32.4039, 60.6060



38.6953, 32.4039, 37.5257

Rectangle

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



31.5726, 32.4039, 18.2262



25.9736, 32.4039, 22.2128



30.0380, 32.4039, 60.6060



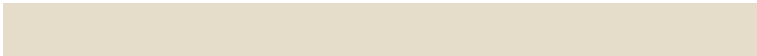
36.1877, 32.4039, 52.6766

Sweetspot

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



31.5734, 32.4054, 18.2269



68.6344, 72.0139, 66.1349



27.2008, 21.1953, 24.3682



14.7446, 15.4629, 13.9331



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.



31.5734, 32.4054, 18.2269



54.2720, 54.9783, 25.3114



33.9930, 40.2705, 19.6175



8.9367, 9.3859, 8.9932



17.5389, 15.5763, 2.0821



0.6045, 0.5955, 0.0831

Inverse Universe

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



21.8964, 22.4306, 44.2497



34.2099, 34.3163, 79.3160



20.1050, 17.1105, 43.3173



8.2820, 8.7103, 10.7511



7.0986, 4.9976, 30.7275



0.2797, 0.2700, 0.9856

Previews

White Background



This preview shows how the XYZ color 31.5726, 32.4039, 18.2262 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 31.5726, 32.4039, 18.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

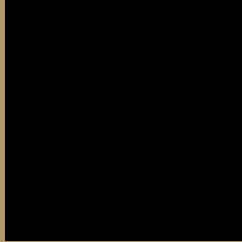
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5726, 32.4039, 18.2262

Background



This preview shows how black text looks on a background with the XYZ color 31.5726, 32.4039, 18.2262.



This preview shows how white text looks on a background with the XYZ color 31.5726, 32.4039,

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

31.5726, 32.4039, 18.2262

Protanopia

30.1458, 32.3882, 18.5726

Deuteranopia

33.0109, 32.4317, 18.4300



Tritanopia

35.1822, 32.4749, 35.8665

Trichromacy



Original Color

31.5726, 32.4039, 18.2262

Protanomaly

30.6226, 32.3901, 18.5478

Deuteranomaly

32.4573, 32.3802, 18.4492

Tritanomaly

33.6116, 32.2861, 28.5051

Monochromacy



Original Color

31.5726, 32.4039, 18.2262

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.3701, 31.8111, 27.8320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5726, 32.4039, 18.2262 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(176, 151, 106)` looks like.

```
.text, #text, p{  
    color:rgb(176, 151, 106)  
}
```

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(176, 151, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 151, 106) }
```

Border

The CSS property to change the border of an element to XYZ 31.5726, 32.4039, 18.2262 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(176, 151, 106) }
```


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

```
.border{ border-color:rgb(176, 151, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 151, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 151, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 151, 106);  
box-shadow:4px 4px 4px 4px rgb(176, 151,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5726, 32.4039, 18.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 151, 106) }
```

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

```
.background{ background-color: rgb(176,  
151, 106) }
```

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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