

Converting Colors

XYZ(31.8675, 32.6513, 18.8953)

Have a look what the booklet for
XYZ(31.8675, 32.6513, 18.8953)
contains.

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Color

**XYZ(31.6779, 32.4460,
18.7805)**

Conversions

Conversions Part 1

Format	Color
Hex	B0976C
RGB	176, 151, 108
RGB Percent	69%, 59%, 42%
CMY	0.3098, 0.4078, 0.5765
CMYK	0.00, 0.14, 0.39, 0.31
HSL	38°, 30%, 56%
HSV	38°, 39%, 69%
XYZ	31.6779, 32.4460, 18.7805
YIQ	153.5730, 28.7030, -8.0730

Conversions

Conversions Part 2

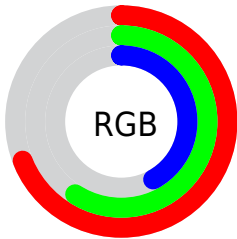
Format	Color
R_{YB}	148, 176, 108
Decimal	11573100
CIE _{Lab}	63.71, 3.09, 26.10
CIE _{LCh}	64, 26.283, 83.253
Yxy	32.4460, 0.3821, 0.3914
Android (android.graphics.Color)	4289763180 (0xFFB0976C)
YUV	153.5730, -22.4675, 19.6685
Hunter-Lab	56.9614, -0.4133, 20.3247

Details

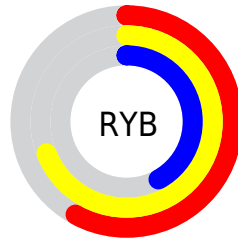
The XYZ color **31.6779, 32.4460, 18.7805** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.4082, 23.0972, 44.3515**, and the grayscale version is **30.6152, 32.2096, 35.0762**.

A 20% lighter version of the original color is **61.7808, 63.5243, 42.2629**, and **13.3988, 13.5782, 6.1896** is the 20% darker color. If you saturate the color by 10%, you get **29.8216, 30.0841, 13.9978**, and if you desaturate by 10%, it is **33.7821, 35.0009, 24.5795**.

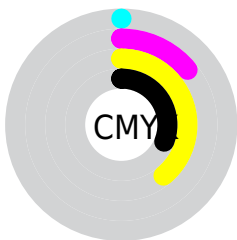
Distribution



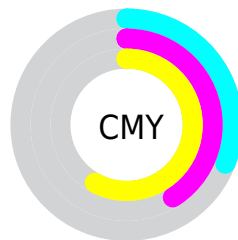
- Red (69%)
- Green (59%)
- Blue (42%)



- Red (58%)
- Yellow (69%)
- Blue (42%)



- Cyan (0%)
- Magenta (14%)
- Yellow (39%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6779, 32.4460, 18.7805 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 31.6779, 32.4460, 18.7805 by changing the saturation by 10% instead.

■ 31.6779, 32.4460,
18.7805

■ 31.6779, 32.4460,
18.7805

301.4208,
313.1459, 257.6165

■ 21.2699, 21.7024,
11.3366

■ 61.6744, 63.5096,
42.1946

■ 13.4351, 13.6384,
6.1767

■ 81.9937, 84.5984,
59.0019

■ 7.8079, 7.8696,
2.8823

■ 106.3474,
109.9044, 79.7673

■ 4.0230, 4.0116,
1.0348

■ 135.1010,
139.8120, 104.9095

■ 1.7152, 1.6801,
0.0000

168.6198,
174.7055, 134.8470

■ 0.4657, 0.4107,
0.0000

207.2691,

■ 0.0000, 0.0000,

214.9694, 169.9983

0.0000

251.4143,
260.9881, 210.7820

■ 31.6779, 32.4460,
18.7805

■ 31.6779, 32.4460,
18.7805

■ 29.8216, 30.0841,
13.9978

■ 33.7821, 35.0009,
24.5795

■ 28.1984, 27.9042,
10.1687

■ 36.1431, 37.7502,
31.4483

■ 26.7955, 25.9009,
7.2269

■ 38.7724, 40.7010,
39.4392

■ 25.5976, 24.0666,
5.0964

■ 41.6799, 43.8587,
48.6001

■ 24.5868, 22.3926,
3.6882

■ 44.8748, 47.2283,
58.9764

■ 23.7325, 20.8650,
2.8455

■ 48.3663, 50.8148,
70.6110

■ 23.6222, 20.6654,
2.7438

■ 52.1627, 54.6227,
83.5448

■ 56.2722, 58.6566,
97.8165

■ 58.8117, 62.1646,
103.5070

Harmonies

Analogous

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



35.2699, 32.4460, 21.4487



31.6779, 32.4460, 18.7805



28.1284, 32.4460, 19.7863

Triad

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



31.6779, 32.4460, 18.7805



24.7829, 32.4460, 43.9496



36.8646, 32.4460, 48.8950

Complementary

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



31.6779, 32.4460, 18.7805



22.4082, 23.0972, 44.3515

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.



33.7183, 32.4460, 57.4143



31.6779, 32.4460, 18.7805



26.7956, 32.4460, 54.1852

Square

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



31.6779, 32.4460, 18.7805



24.3311, 32.4460, 33.0001



30.0149, 32.4460, 59.5214



38.4147, 32.4460, 37.7633

Rectangle

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



31.6779, 32.4460, 18.7805



26.2392, 32.4460, 22.5265



30.0149, 32.4460, 59.5214



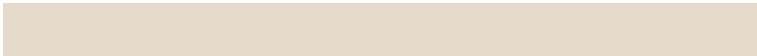
35.9471, 32.4460, 52.2423

Sweetspot

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



31.6787, 32.4475, 18.7812



68.5587, 71.8625, 66.1097



27.5751, 21.6787, 25.3101



14.7266, 15.4269, 13.9271



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.



31.6787, 32.4475, 18.7812



54.6705, 55.3218, 26.8423



34.3949, 40.4657, 20.1857



8.9292, 9.3709, 8.9907



17.3893, 15.2771, 2.0323



0.6005, 0.5874, 0.0817

Inverse Universe

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



22.4082, 23.0972, 44.3515



35.5654, 36.0660, 79.5822



20.3930, 17.5686, 43.3906



8.2893, 8.7247, 10.7535



7.1757, 5.1517, 30.7532



0.2827, 0.2758, 0.9866

Previews

White Background



This preview shows how the XYZ color 31.6779, 32.4460, 18.7805 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 31.6779, 32.4460, 18.7805 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

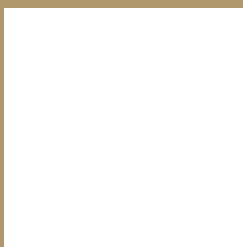
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6779, 32.4460, 18.7805

Background



This preview shows how black text looks on a background with the XYZ color 31.6779, 32.4460, 18.7805.



This preview shows how white text looks on a background with the XYZ color 31.6779, 32.4460,

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

31.6779, 32.4460, 18.7805

Protanopia

30.2523, 32.4308, 19.1333

Deuteranopia

33.1174, 32.4743, 18.9907



Tritanopia

35.1822, 32.4749, 35.8665

Trichromacy



Original Color

31.6779, 32.4460, 18.7805

Protanomaly

30.7291, 32.4326, 19.1085

Deuteranomaly

32.5638, 32.4228, 19.0099

Tritanomaly

33.6843, 32.3152, 28.8882

Monochromacy



Original Color

31.6779, 32.4460, 18.7805

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.8069, 32.2700, 28.2719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6779, 32.4460, 18.7805 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(176, 151, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 151, 108) }
```

Border

The CSS property to change the border of an element to XYZ 31.6779, 32.4460, 18.7805 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, 108) }
```


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

```
.border{ border-color:rgb(176, 151, 108) }
```

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, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 151, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 151, 108);  
box-shadow:4px 4px 4px 4px rgb(176, 151,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6779, 32.4460, 18.7805 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, 108) }
```

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

```
.background{ background-color: rgb(176,  
151, 108) }
```

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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