

Converting Colors

XYZ(28.8998, 32.7751, 18.6418)

Have a look what the booklet for
XYZ(28.8998, 32.7751, 18.6418)
contains.

XYZ(28.9813, 32.7844, 18.7105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.9813, 32.7844,
18.7105)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9E6B
RGB	158, 158, 107
RGB Percent	62%, 62%, 42%
CMY	0.3804, 0.3804, 0.5804
CMYK	0.00, 0.00, 0.32, 0.38
HSL	60°, 21%, 52%
HSV	60°, 32%, 62%
XYZ	28.9813, 32.7844, 18.7105
YIQ	152.1860, 16.3710, -15.8610

Conversions

Conversions Part 2

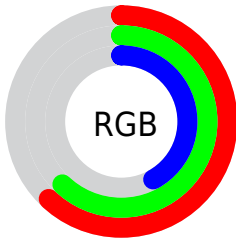
Format	Color
RYB	107, 158, 107
Decimal	10395243
CIELab	63.99, -8.23, 26.72
CIELCh	64, 27.955, 107.127
Yxy	32.7844, 0.3601, 0.4074
Android (android.graphics.Color)	4288585323 (0xFF9E9E6B)
YUV	152.1860, -22.2767, 5.0989
Hunter-Lab	57.2577, -9.8521, 20.7057

Details

The XYZ color **28.9813, 32.7844, 18.7105** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.4939, 16.1107, 34.5373**, and the grayscale version is **30.0144, 31.5775, 34.3878**.

A 20% lighter version of the original color is **57.4928, 64.2378, 42.1698**, and **11.9910, 13.8953, 6.1877** is the 20% darker color. If you saturate the color by 10%, you get **28.2250, 32.4830, 14.7254**, and if you desaturate by 10%, it is **29.8912, 33.1495, 23.4971**.

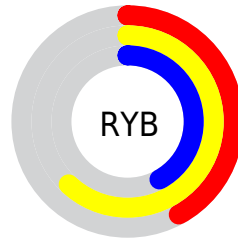
Distribution



Red (62%)

Green (62%)

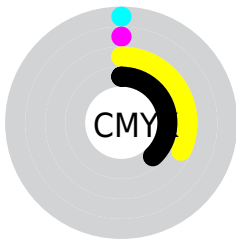
Blue (42%)



Red (42%)

Yellow (62%)

Blue (42%)

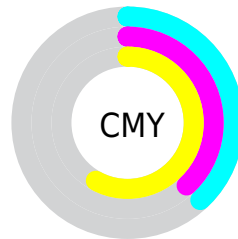


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9813, 32.7844, 18.7105 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 28.9813, 32.7844, 18.7105 by changing the saturation by 10% instead.

■ 28.9813, 32.7844,
18.7105

■ 28.9813, 32.7844,
18.7105

289.1225,
314.6771, 257.2151

■ 19.2109, 21.9613,
11.2866

■ 57.4451, 64.0388,
42.0745

■ 11.9277, 13.8285,
6.1434

■ 76.8693, 85.2389,
58.8517

■ 6.7663, 8.0015,
2.8622

■ 100.2420,
110.6668, 79.5837

■ 3.3614, 4.0959,
1.0247

■ 127.9288,
140.7069, 104.6890

■ 1.3476, 1.7273,
0.0000

160.2948,
175.7436, 134.5863

■ 0.2184, 0.4413,
0.0000

197.7056,

■ 0.0000, 0.0000,

216.1612, 169.6941

0.0000

240.5263,
262.3443, 210.4308

■ 28.9813, 32.7844,
18.7105

■ 28.9813, 32.7844,
18.7105

■ 28.2250, 32.4830,
14.7254

■ 29.8912, 33.1495,
23.4971

■ 27.6115, 32.2376,
11.4960

■ 30.9599, 33.5770,
29.1234

■ 27.1325, 32.0460,
8.9753


■ 32.1953, 34.0712,
35.6277


■ 26.7781, 31.9041,
7.1100


■ 33.6041, 34.6348,
43.0453


■ 26.5366, 31.8075,
5.8394


■ 35.1928, 35.2703,
51.4095


 26.3943, 31.7506,
5.0916

 36.9672, 35.9801,
60.7522

 26.3265, 31.7235,
4.7357

 38.9331, 36.7665,
71.1035

 41.0961, 37.6317,
82.4923

 43.4614, 38.5778,
94.9464

Harmonies

Analogous

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



32.8800, 32.7844, 18.4407



28.9813, 32.7844, 18.7105



25.9292, 32.7844, 22.8703

Triad

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



28.9813, 32.7844, 18.7105



26.2827, 32.7844, 54.0861



39.1494, 32.7844, 40.7548

Complementary

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



28.9813, 32.7844, 18.7105



17.4939, 16.1107, 34.5373

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.



37.0522, 32.7844, 52.5970



28.9813, 32.7844, 18.7105



29.5022, 32.7844, 61.3165

Square

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



28.9813, 32.7844, 18.7105



24.4637, 32.7844, 42.4786



33.4465, 32.7844, 60.7204



38.9801, 32.7844, 29.6779

Rectangle

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



28.9813, 32.7844, 18.7105



24.6855, 32.7844, 27.9062



33.4465, 32.7844, 60.7204



38.6791, 32.7844, 44.8167

Sweetspot

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



28.9821, 32.7859, 18.7112



56.6618, 61.1490, 55.2124



22.0132, 18.8469, 16.3880



12.7107, 13.7605, 12.1123



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.9821, 32.7859, 18.7112



51.5744, 59.1139, 28.4290



24.4761, 30.4629, 18.5003



7.1701, 7.7204, 7.0979



21.0836, 25.4057, 3.7926



0.3770, 0.4543, 0.0678

Inverse Universe

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



17.4939, 16.1107, 34.5373



27.2723, 23.8393, 61.9075



21.0244, 17.9307, 34.7025



6.2848, 6.4353, 8.3176



4.9429, 1.9772, 26.0283



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 28.9813, 32.7844, 18.7105 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 28.9813, 32.7844, 18.7105 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

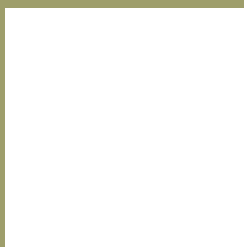
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9813, 32.7844, 18.7105

Background



This preview shows how black text looks on a background with the XYZ color 28.9813, 32.7844, 18.7105.



This preview shows how white text looks on a background with the XYZ color 28.9813, 32.7844,

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

28.9813, 32.7844, 18.7105

Protanopia

30.4713, 32.8081, 18.3623

Deuteranopia

33.1174, 32.4743, 18.9907



Tritanopia

33.1945, 32.7769, 39.2274

Trichromacy



Original Color

28.9813, 32.7844, 18.7105

Protanomaly

29.7998, 32.7101, 18.3787

Deuteranomaly

31.6142, 32.6531, 18.8238

Tritanomaly

31.4138, 32.7758, 30.6573

Monochromacy



Original Color

28.9813, 32.7844, 18.7105

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.3260, 31.7588, 27.8770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9813, 32.7844, 18.7105 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(158, 158, 107)` looks like.

```
.text, #text, p{  
    color:rgb(158, 158, 107)  
}
```

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(158, 158, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 158, 107) }
```

Border

The CSS property to change the border of an element to XYZ 28.9813, 32.7844, 18.7105 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(158, 158, 107) }
```


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

```
.border{ border-color:rgb(158, 158, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 158, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 158, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 158, 107);  
box-shadow:4px 4px 4px 4px rgb(158, 158,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9813, 32.7844, 18.7105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 158, 107) }
```

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

```
.background{ background-color: rgb(158,  
158, 107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor