

Converting Colors

XYZ(32.7263, 38.3388, 33.3929)

Have a look what the booklet for
XYZ(32.7263, 38.3388, 33.3929)
contains.

XYZ(32.7877, 38.4778, 33.3026)	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(32.7877, 38.4778,
33.3026)**

Conversions

Conversions Part 1

Format	Color
Hex	96AD93
RGB	150, 173, 147
RGB Percent	59%, 68%, 58%
CMY	0.4118, 0.3216, 0.4235
CMYK	0.13, 0.00, 0.15, 0.32
HSL	113°, 14%, 63%
HSV	113°, 15%, 68%
XYZ	32.7877, 38.4778, 33.3026
YIQ	163.1590, -5.3620, -12.9620

Conversions

Conversions Part 2

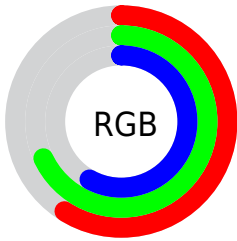
Format	Color
RYB	147, 173, 170
Decimal	9874835
CIELab	68.37, -13.00, 10.72
CIELCh	68, 16.849, 140.509
Yxy	38.4778, 0.3136, 0.3680
Android (android.graphics.Color)	4288064915 (0xFF96AD93)
YUV	163.1590, -7.9664, -11.5404
Hunter-Lab	62.0305, -14.2029, 11.5900

Details

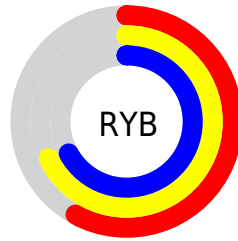
The XYZ color **32.7877, 38.4778, 33.3026** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.5557, 32.4317, 43.9759**, and the grayscale version is **34.9270, 36.7459, 40.0163**.

A 20% lighter version of the original color is **63.1879, 72.5412, 65.9298**, and **14.0943, 17.1719, 13.6380** is the 20% darker color. If you saturate the color by 10%, you get **28.8964, 36.6181, 26.5590**, and if you desaturate by 10%, it is **37.2532, 40.6121, 41.1405**.

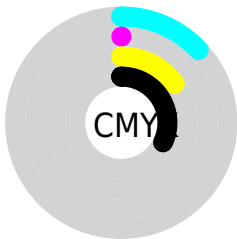
Distribution



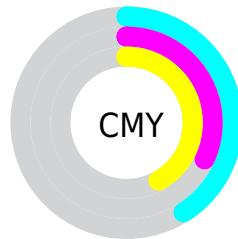
- Red (59%)
- Green (68%)
- Blue (58%)



- Red (58%)
- Yellow (68%)
- Blue (67%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (32%)



- Cyan (41%)
- Magenta (32%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7877, 38.4778, 33.3026 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 32.7877, 38.4778, 33.3026 by changing the saturation by 10% instead.


 32.7877, 38.4778,
33.3026


 32.7877, 38.4778,
33.3026


306.3739,
339.6652, 331.6848

 22.1223, 26.3537,
22.0853


 63.4008, 72.8399,
65.9691

 14.0639, 17.0885,
13.7207


 84.0793, 95.8467,
88.2555

 8.2471, 10.2976,
7.7901

108.8262,
123.2499, 115.0686

 4.3066, 5.5967,
3.8751

138.0068,
155.4338, 146.8270

 1.8770, 2.6014,
1.5571

171.9865,
192.7829, 183.9493

 0.5634, 0.9274,
0.2599

211.1307,

 0.0000, 0.0000,

235.6816, 226.8540

0.0000

255.8047,
284.5142, 275.9597

■ 32.7877, 38.4778,
33.3026

■ 32.7877, 38.4778,
33.3026

■ 28.8964, 36.6181,
26.5590

■ 37.2532, 40.6121,
41.1405

■ 25.5529, 35.0172,
20.8586

■ 42.3116, 43.0264,
50.1156

■ 22.7334, 33.6650,
16.1502

■ 47.9847, 45.7321,
60.2717

■ 20.4112, 32.5490,
12.3769

■ 54.2923, 48.7385,
71.6494

■ 18.5571, 31.6554,
9.4765

■ 61.2533, 52.0545,
84.2875

■ 17.1390, 30.9693,
7.3790

■ 68.8855, 55.6885,
98.2230

■ 16.1204, 30.4736,
6.0037

■ 74.2344, 58.3687,
101.9615

■ 15.4585, 30.1483,
5.2514

■ 15.2320, 30.0370,
4.9949

Harmonies

Analogous

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



34.8198, 38.4778, 29.6861



32.7877, 38.4778, 33.3026



31.7839, 38.4778, 39.5407

Triad

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



32.7877, 38.4778, 33.3026



35.7402, 38.4778, 57.9575



41.5427, 38.4778, 36.9995

Complementary

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



32.7877, 38.4778, 33.3026



34.5557, 32.4317, 43.9759

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.



41.8183, 38.4778, 44.3425



32.7877, 38.4778, 33.3026



38.3820, 38.4778, 57.0640

Square

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



32.7877, 38.4778, 33.3026



33.4335, 38.4778, 54.1648



40.6368, 38.4778, 51.8530



39.9010, 38.4778, 31.6353

Rectangle

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



32.7877, 38.4778, 33.3026



31.7982, 38.4778, 44.6075



40.6368, 38.4778, 51.8530



41.8012, 38.4778, 39.2963

Sweetspot

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



32.7887, 38.4794, 33.3034



66.6666, 72.7074, 73.5909



36.8702, 39.7297, 33.3296



14.3632, 15.7413, 15.7724



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.



32.7887, 38.4794, 33.3034



56.3197, 67.7639, 55.4632



33.0604, 38.5252, 37.5781



7.9871, 8.9820, 8.5261



11.2158, 22.0791, 3.6705



0.3385, 0.6279, 0.1034

Inverse Universe

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



34.5557, 32.4317, 43.9759



60.0878, 54.8631, 78.2284



34.2825, 32.3982, 39.1140



8.2448, 8.1005, 10.0817



15.2293, 7.2109, 29.6337



0.4488, 0.2136, 0.8256

Previews

White Background



This preview shows how the XYZ color 32.7877, 38.4778, 33.3026 looks on a white background.

Color Contrast Check

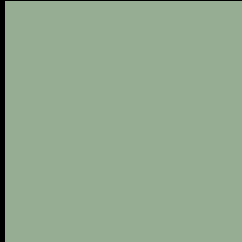
Large Text (above 18pt) WCAG AA × Fail

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 32.7877, 38.4778, 33.3026 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

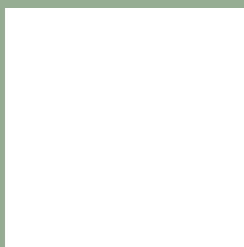
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7877, 38.4778, 33.3026

Background



This preview shows how black text looks on a background with the XYZ color 32.7877, 38.4778, 33.3026.



This preview shows how white text looks on a background with the XYZ color 32.7877, 38.4778,

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

32.7877, 38.4778, 33.3026

Protanopia

36.2733, 38.3696, 31.4809

Deuteranopia

39.0621, 38.1624, 34.1615



Tritanopia

36.0534, 38.4094, 49.2296

Trichromacy



Original Color

32.7877, 38.4778, 33.3026

Protanomaly

34.9479, 38.4965, 31.9742

Deuteranomaly

36.5591, 38.1942, 33.8791

Tritanomaly

34.8626, 38.4840, 43.1268

Monochromacy



Original Color

32.7877, 38.4778, 33.3026

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.0051, 37.3409, 37.3135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7877, 38.4778, 33.3026 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(150, 173, 147)` looks like.

```
.text, #text, p{  
    color:rgb(150, 173, 147)  
}
```

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(150, 173, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 173, 147) }
```

Border

The CSS property to change the border of an element to XYZ 32.7877, 38.4778, 33.3026 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(150, 173, 147) }
```


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

```
.border{ border-color:rgb(150, 173, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 173, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 173, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 173, 147);  
box-shadow:4px 4px 4px 4px rgb(150, 173,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7877, 38.4778, 33.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 173, 147) }
```

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

```
.background{ background-color: rgb(150,  
173, 147) }
```

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