

Converting Colors

XYZ(30.8667, 32.6258, 37.2430)

Have a look what the booklet for
XYZ(30.8667, 32.6258, 37.2430)
contains.

XYZ(30.8418, 32.5867, 37.0121)	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(30.8418, 32.5867,
37.0121)**

Conversions

Conversions Part 1

Format	Color
Hex	989B9E
RGB	152, 155, 158
RGB Percent	60%, 61%, 62%
CMY	0.4039, 0.3921, 0.3804
CMYK	0.04, 0.02, 0.00, 0.38
HSL	210°, 3%, 61%
HSV	210°, 4%, 62%
XYZ	30.8418, 32.5867, 37.0121
YIQ	154.4450, -2.7510, 0.2970

Conversions

Conversions Part 2

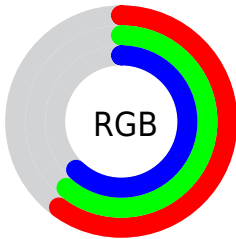
Format	Color
RYB	152, 154, 158
Decimal	10001310
CIELab	63.82, -0.49, -1.95
CIELCh	64, 2.011, 256.033
Yxy	32.5867, 0.3071, 0.3244
Android (android.graphics.Color)	4288191390 (0xFF989B9E)
YUV	154.4450, 1.7526, -2.1443
Hunter-Lab	57.0848, -3.4582, 1.5174

Details

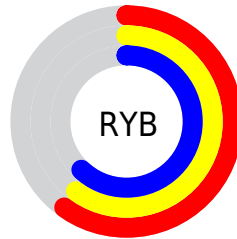
The XYZ color **30.8418, 32.5867, 37.0121** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.4895, 32.9785, 34.4121**, and the grayscale version is **30.9049, 32.5144, 35.4082**.

A 20% lighter version of the original color is **60.2643, 63.5268, 72.0364**, and **12.9710, 13.7289, 15.8762** is the 20% darker color. If you saturate the color by 10%, you get **26.8085, 28.6215, 36.4598**, and if you desaturate by 10%, it is **35.3568, 36.9296, 37.6129**.

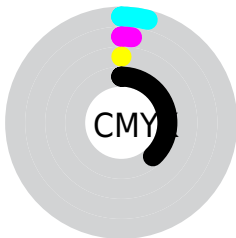
Distribution



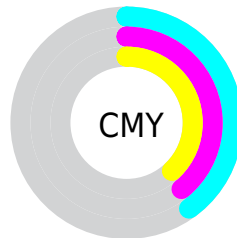
- Red (60%)
- Green (61%)
- Blue (62%)



- Red (60%)
- Yellow (60%)
- Blue (62%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (38%)



- Cyan (40%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8418, 32.5867, 37.0121 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 30.8418, 32.5867, 37.0121 by changing the saturation by 10% instead.

■ 30.8418, 32.5867,
37.0121

■ 30.8418, 32.5867,
37.0121

297.6487,
313.7833, 348.5332

■ 20.6296, 21.8100,
24.9210

■ 60.3685, 63.7297,
71.7779

■ 12.9645, 13.7174,
15.7997

■ 80.4137, 84.8649,
95.2897

■ 7.4809, 7.9244,
9.2297

104.4673,
110.2216, 123.4455

■ 3.8136, 4.0466,
4.7925

132.8946,
140.1843, 156.6639

■ 1.5972, 1.6997,
2.0694

166.0611,
175.1375, 195.3632

■ 0.3906, 0.4234,
0.5975

204.3321,

■ 0.0000, 0.0000,

215.4654, 239.9622

0.0000

248.0728,
261.5525, 290.8794

■ 30.8418, 32.5867,
37.0121

■ 30.8418, 32.5867,
37.0121

■ 26.8085, 28.6215,
36.4598

■ 35.3568, 36.9296,
37.6129

■ 23.2371, 25.0185,
35.9526

■ 40.3669, 41.6567,
38.2613

■ 20.1103, 21.7673,
35.4899

■ 45.8884, 46.7796,
38.9591

■ 17.4087, 18.8554,
35.0702

■ 51.9361, 52.3081,
39.7074

■ 15.1114, 16.2692,
34.6921

■ 58.5241, 58.2516,
40.5074

■ 13.1954, 13.9943,
34.3540

■ 65.6659, 64.6193,
41.3601

■ 11.6353, 12.0146,
34.0541

■ 70.5221, 69.9496,
42.1330

■ 10.4021, 10.3123,
33.7905

■ 72.5225, 73.9504,
42.7998

■ 9.4617, 8.8666,
33.5610

■ 74.6204, 78.1462,
43.4991

Harmonies

Analogous

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



30.5972, 32.5867, 36.6125



30.8418, 32.5867, 37.0121



31.1229, 32.5867, 36.9972

Triad

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



30.8418, 32.5867, 37.0121



31.4975, 32.5867, 35.0536



30.5835, 32.5867, 34.4126

Complementary

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



30.8418, 32.5867, 37.0121



31.4895, 32.9785, 34.4121

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.



30.8229, 32.5867, 34.0076



30.8418, 32.5867, 37.0121



31.3512, 32.5867, 34.3738

Square

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



30.8418, 32.5867, 37.0121



31.5027, 32.5867, 35.8581



31.1039, 32.5867, 33.9935



30.4487, 32.5867, 35.1073

Rectangle

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



30.8418, 32.5867, 37.0121



31.2932, 32.5867, 36.7539



31.1039, 32.5867, 33.9935



30.6543, 32.5867, 34.2385

Sweetspot

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



30.8427, 32.5881, 37.0128



58.1979, 61.2999, 67.5082



31.0843, 33.4929, 35.7933



13.1314, 13.8304, 15.2211



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.



30.8427, 32.5881, 37.0128



55.0082, 58.2042, 67.0787



30.3655, 31.6335, 36.8537



6.8924, 7.2964, 8.4518



7.2253, 6.5422, 26.7892



0.1715, 0.2016, 0.4931

Inverse Universe

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



31.2459, 32.0928, 35.5596



55.9854, 57.0164, 63.5540



31.9784, 33.9563, 34.5751



7.0262, 7.1344, 7.9689



12.4452, 6.2827, 6.5955



0.2439, 0.1209, 0.2303

Previews

White Background



This preview shows how the XYZ color 30.8418, 32.5867, 37.0121 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 30.8418, 32.5867, 37.0121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

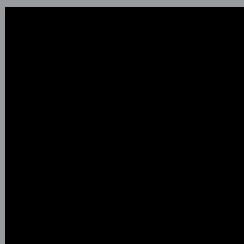
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

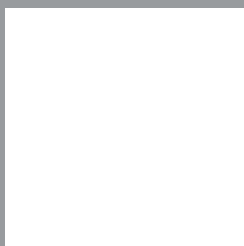
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8418, 32.5867, 37.0121

Background



This preview shows how black text looks on a background with the XYZ color 30.8418, 32.5867, 37.0121.



This preview shows how white text looks on a background with the XYZ color 30.8418, 32.5867,

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

30.8418, 32.5867, 37.0121

Protanopia

31.3517, 32.6134, 36.5409

Deuteranopia

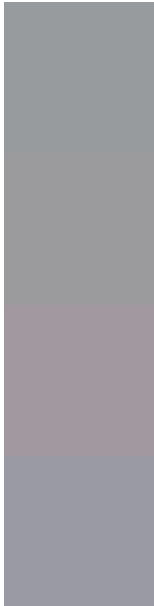
33.1007, 32.5314, 37.3355



Tritanopia

31.5754, 32.6367, 40.7117

Trichromacy



Original Color

30.8418, 32.5867, 37.0121

Protanomaly

31.1590, 32.5141, 36.5319

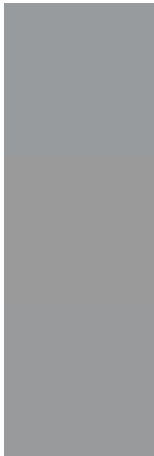
Deuteranomaly

32.3865, 32.6411, 37.3943

Tritanomaly

31.3033, 32.5279, 39.2790

Monochromacy



Original Color

30.8418, 32.5867, 37.0121

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.6089, 32.2501, 35.6220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8418, 32.5867, 37.0121 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(152, 155, 158)` looks like.

```
.text, #text, p{  
    color:rgb(152, 155, 158)  
}
```

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(152, 155, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 155, 158) }
```

Border

The CSS property to change the border of an element to XYZ 30.8418, 32.5867, 37.0121 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(152, 155, 158) }
```


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

```
.border{ border-color:rgb(152, 155, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 155, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 155, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 155, 158);  
box-shadow:4px 4px 4px 4px rgb(152, 155,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8418, 32.5867, 37.0121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 155, 158) }
```

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

```
.background{ background-color: rgb(152,  
155, 158) }
```

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