

Converting Colors

XYZ(32.2573, 33.0001, 37.2463)

Have a look what the booklet for
XYZ(32.2573, 33.0001, 37.2463)
contains.

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Color

**XYZ(32.3108, 33.0880,
37.4845)**

Conversions

Conversions Part 1

Format	Color
Hex	A09A9F
RGB	160, 154, 159
RGB Percent	63%, 60%, 62%
CMY	0.3725, 0.3961, 0.3765
CMYK	0.00, 0.04, 0.01, 0.37
HSL	310°, 3%, 62%
HSV	310°, 4%, 63%
XYZ	32.3108, 33.0880, 37.4845
YIQ	156.3640, 1.9710, 2.8270

Conversions

Conversions Part 2

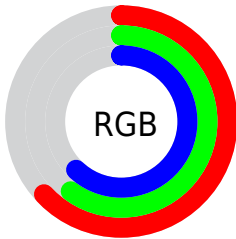
Format	Color
R_{YB}	160, 154, 159
Decimal	10525343
CIE Lab	64.23, 3.13, -1.84
CIE LCh	64, 3.631, 329.542
Yxy	33.0880, 0.3141, 0.3216
Android (android.graphics.Color)	4288715423 (0xFFA09A9F)
YUV	156.3640, 1.2995, 3.1888
Hunter-Lab	57.5222, -0.3985, 1.6290

Details

The XYZ color **32.3108, 33.0880, 37.4845** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.8149, 34.3791, 35.9711**, and the grayscale version is **31.7571, 33.4109, 36.3845**.

A 20% lighter version of the original color is **62.7178, 64.4139, 72.7459**, and **13.8637, 14.0344, 16.1656** is the 20% darker color. If you saturate the color by 10%, you get **29.6154, 28.0633, 35.4564**, and if you desaturate by 10%, it is **35.3651, 38.8215, 39.6577**.

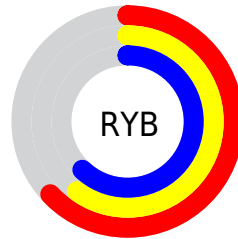
Distribution



Red (63%)

Green (60%)

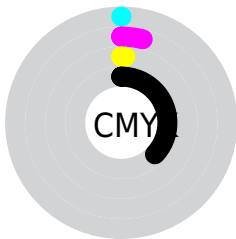
Blue (62%)



Red (63%)

Yellow (60%)

Blue (62%)

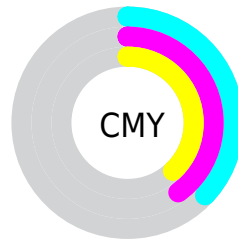


Cyan (0%)

Magenta (4%)

Yellow (1%)

Black (37%)



Cyan (37%)

Magenta (40%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3108, 33.0880, 37.4845 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 32.3108, 33.0880, 37.4845 by changing the saturation by 10% instead.

■ 32.3108, 33.0880,
37.4845

■ 32.3108, 33.0880,
37.4845

304.2528,
316.0461, 350.6351

■ 21.7557, 22.1939,
25.2841

■ 62.6599, 64.5129,
72.5120

■ 13.7931, 13.9994,
16.0679

■ 83.1846, 85.8124,
96.1761

■ 8.0576, 8.1203,
9.4173

107.7633,
111.3493, 124.4986

■ 4.1840, 4.1720,
4.9139

136.7612,
141.5077, 157.8980

■ 1.8067, 1.7702,
2.1390

170.5438,
176.6723, 196.7928

■ 0.5217, 0.4685,
0.6388

209.4763,

■ 0.0000, 0.0000,

217.2272, 241.6015

0.0000

253.9242,
263.5570, 292.7428

■ 32.3108, 33.0880,
37.4845

■ 32.3108, 33.0880,
37.4845

■ 29.6154, 28.0633,
35.4564

■ 35.3651, 38.8215,
39.6577

■ 27.2623, 23.7156,
33.5665

■ 38.7885, 45.2858,
41.9784

■ 25.2375, 20.0168,
31.8103

■ 42.5944, 52.5069,
44.4515

■ 23.5252, 16.9352,
30.1826

■ 46.7947, 60.5087,
47.0812

■ 22.1084, 14.4365,
28.6773

■ 51.4007, 69.3135,
49.8714

■ 20.9680, 12.4831,
27.2882

■ 56.4232, 78.9432,
52.8258

■ 20.0831, 11.0329,
26.0078

■ 58.2609, 82.1951,
54.7442

■ 19.4295, 10.0377,
24.8282

■ 58.5308, 82.3031,
56.1657

■ 18.9784, 9.4398,
23.7394

■ 58.8060, 82.4131,
57.6147

Harmonies

Analogous

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



31.9401, 33.0880, 38.5522



32.3108, 33.0880, 37.4845



32.4502, 33.0880, 36.0499

Triad

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



32.3108, 33.0880, 37.4845



31.4571, 33.0880, 33.2641



30.5952, 33.0880, 37.4442

Complementary

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



32.3108, 33.0880, 37.4845



31.8149, 34.3791, 35.9711

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.



30.4690, 33.0880, 36.0046



32.3108, 33.0880, 37.4845



30.9632, 33.0880, 33.6150

Square

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



32.3108, 33.0880, 37.4845



31.9540, 33.0880, 33.6366



30.6030, 33.0880, 34.6082



30.9497, 33.0880, 38.5285

Rectangle

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



32.3108, 33.0880, 37.4845



32.3920, 33.0880, 35.0865



30.6030, 33.0880, 34.6082



30.5248, 33.0880, 36.9845

Sweetspot

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



32.3117, 33.0894, 37.4852



60.1157, 62.7910, 69.1118



31.4197, 32.6195, 37.8984



13.1914, 13.7844, 15.1624



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.



32.3117, 33.0894, 37.4852



58.4969, 59.7598, 67.9363



32.0547, 32.9866, 36.1314



7.1405, 7.2655, 8.3075



14.6222, 7.1534, 18.0591



0.2730, 0.1325, 0.3835

Inverse Universe

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



32.3117, 33.0894, 37.4852



58.4969, 59.7598, 67.9363



32.0699, 34.4811, 37.3139



7.1405, 7.2655, 8.3075



14.6222, 7.1534, 18.0591



0.2730, 0.1325, 0.3835

Previews

White Background



This preview shows how the XYZ color 32.3108, 33.0880, 37.4845 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 32.3108, 33.0880, 37.4845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

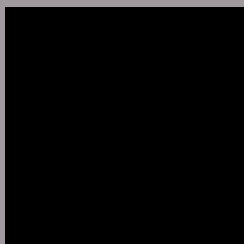
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

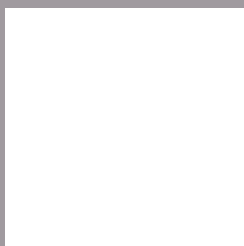
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3108, 33.0880, 37.4845

Background



This preview shows how black text looks on a background with the XYZ color 32.3108, 33.0880, 37.4845.



This preview shows how white text looks on a background with the XYZ color 32.3108, 33.0880,

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

32.3108, 33.0880, 37.4845

Protanopia

31.8840, 33.1140, 37.5121

Deuteranopia

33.7740, 33.1063, 37.8678



Tritanopia

32.8807, 33.0761, 40.2486

Trichromacy



Original Color

32.3108, 33.0880, 37.4845

Protanomaly

32.0799, 33.2150, 37.5212

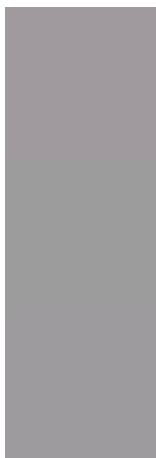
Deuteranomaly

33.2993, 33.1015, 37.8919

Tritanomaly

32.7000, 33.0039, 39.2972

Monochromacy



Original Color

32.3108, 33.0880, 37.4845

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.7118, 33.0451, 36.6052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3108, 33.0880, 37.4845 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(160, 154, 159)` looks like.

```
.text, #text, p{  
    color:rgb(160, 154, 159)  
}
```

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(160, 154, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 154, 159) }
```

Border

The CSS property to change the border of an element to XYZ 32.3108, 33.0880, 37.4845 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(160, 154, 159) }
```


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

```
.border{ border-color:rgb(160, 154, 159) }
```

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

Here you see how a box with a 4 pixel rgb(160, 154, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 154, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 154, 159);  
box-shadow:4px 4px 4px 4px rgb(160, 154,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3108, 33.0880, 37.4845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 154, 159) }
```

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

```
.background{ background-color: rgb(160,  
154, 159) }
```

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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