

Converting Colors

XYZ(32.1816, 33.7487, 36.5375)

Have a look what the booklet for
XYZ(32.1816, 33.7487, 36.5375)
contains.

XYZ(32.2433, 33.8174, 36.7263)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(32.2433, 33.8174,
36.7263)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9D9D
RGB	158, 157, 157
RGB Percent	62%, 62%, 62%
CMY	0.3804, 0.3843, 0.3843
CMYK	0.00, 0.01, 0.01, 0.38
HSL	0°, 1%, 62%
HSV	0°, 1%, 62%
XYZ	32.2433, 33.8174, 36.7263
YIQ	157.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

Format	Color
RYB	158, 157, 157
Decimal	10395037
CIELab	64.82, 0.36, 0.12
CIElCh	65, 0.383, 18.253
Yxy	33.8174, 0.3137, 0.3290
Android (android.graphics.Color)	4288585117 (0xFF9E9D9D)
YUV	157.2990, -0.1474, 0.6148
Hunter-Lab	58.1527, -2.7964, 3.2624

Details

The XYZ color **32.2433, 33.8174, 36.7263** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.3030, 34.0898, 37.2255**, and the grayscale version is **32.1837, 33.8598, 36.8733**.

A 20% lighter version of the original color is **62.8677, 65.9866, 71.7106**, and **13.8190, 14.4745, 15.7012** is the 20% darker color. If you saturate the color by 10%, you get **28.4852, 28.3219, 29.2432**, and if you desaturate by 10%, it is **36.5215, 40.0730, 45.2444**.

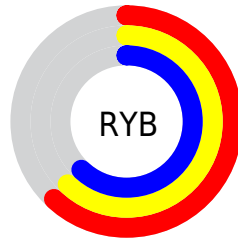
Distribution



Red (62%)

Green (62%)

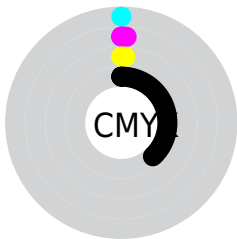
Blue (62%)



Red (62%)

Yellow (62%)

Blue (62%)

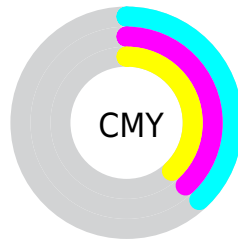


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2433, 33.8174, 36.7263 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 32.2433, 33.8174, 36.7263 by changing the saturation by 10% instead.

■ 32.2433, 33.8174,
36.7263

■ 32.2433, 33.8174,
36.7263

303.9517,
319.3171, 347.2570

■ 21.7039, 22.7534,
24.7015

■ 62.5549, 65.6496,
71.3332

■ 13.7548, 14.4115,
15.6378

■ 83.0578, 87.1866,
94.7525

■ 8.0309, 8.4074,
9.1167

107.6126,
112.9833, 122.8070

■ 4.1667, 4.3567,
4.7195

136.5846,
143.4242, 155.9153

■ 1.7969, 1.8751,
2.0278

170.3391,
178.8936, 194.4959

■ 0.5158, 0.5333,
0.5723

209.2416,

■ 0.0000, 0.0000,

219.7759, 238.9673

0.0000

253.6573,
266.4556, 289.7482

■ 32.2433, 33.8174,
36.7263

■ 32.2433, 33.8174,
36.7263

■ 28.4852, 28.3219,
29.2432

■ 36.5215, 40.0730,
45.2444

■ 25.2247, 23.5534,
22.7534

■ 41.3355, 47.1114,
54.8323

■ 22.4417, 19.4827,
17.2159

■ 46.7040, 54.9601,
65.5263

■ 20.1139, 16.0772,
12.5860

■ 52.6439, 63.6436,
77.3599

■ 18.2170, 13.3015,
8.8152

■ 59.1714, 73.1857,
90.3656

■ 16.7246, 11.1170,
5.8507

■ 66.3019, 83.6088,
104.5743

■ 15.6074, 9.4809,
3.6338

■ 67.9107, 86.0092,
107.6299

■ 14.8321, 8.3446,
2.0978

■ 14.3595, 7.6510,
1.1645

Harmonies

Analogous

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



32.2464, 33.8174, 36.8833



32.2433, 33.8174, 36.7263



32.2131, 33.8174, 36.5951

Triad

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



32.2433, 33.8174, 36.7263



32.0633, 33.8174, 36.6194



32.1208, 33.8174, 37.1197

Complementary

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



32.2433, 33.8174, 36.7263



32.3030, 34.0898, 37.2255

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.



32.0718, 33.8174, 37.0486



32.2433, 33.8174, 36.7263



32.0386, 33.8174, 36.7596

Square

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



32.2433, 33.8174, 36.7263



32.1092, 33.8174, 36.5336



32.0418, 33.8174, 36.9167



32.1757, 33.8174, 37.1108

Rectangle

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



32.2433, 33.8174, 36.7263



32.1818, 33.8174, 36.5399



32.0418, 33.8174, 36.9167



32.1031, 33.8174, 37.1044

Sweetspot

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



32.2443, 33.8189, 36.7270



59.0181, 62.0916, 67.6177



32.3295, 33.8522, 37.1783



13.3056, 13.9985, 15.2444



76.7382, 80.7346, 87.9200

Same Dimension

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



32.2443, 33.8189, 36.7270



58.2735, 61.0029, 66.1353



32.3285, 33.9873, 36.7551



7.3561, 7.7043, 8.3560



11.2976, 5.8309, 0.5300



0.2024, 0.1051, 0.0096

Inverse Universe

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



32.3030, 34.0898, 37.2255



58.4449, 61.7939, 67.5905



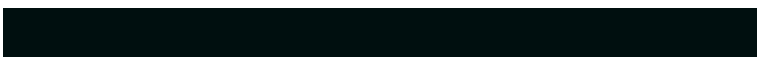
32.2184, 33.9207, 37.1973



7.3757, 7.7948, 8.5225



14.6727, 21.4369, 29.2716



0.2628, 0.3843, 0.5235

Previews

White Background



This preview shows how the XYZ color 32.2433, 33.8174, 36.7263 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 32.2433, 33.8174, 36.7263 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 32.2433, 33.8174, 36.7263

Background



This preview shows how black text looks on a background with the XYZ color 32.2433, 33.8174, 36.7263.



This preview shows how white text looks on a background with the XYZ color 32.2433, 33.8174,

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

32.2433, 33.8174, 36.7263

Protanopia

32.4715, 33.6848, 36.6887

Deuteranopia

34.4130, 33.6958, 37.0379



Tritanopia

33.2864, 33.7434, 41.8045

Trichromacy



Original Color

32.2433, 33.8174, 36.7263

Protanomaly

32.2723, 33.5822, 36.6794

Deuteranomaly

33.6635, 33.7953, 37.0966

Tritanomaly

32.8874, 33.8282, 39.9181

Monochromacy



Original Color

32.2433, 33.8174, 36.7263

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.0474, 33.7164, 36.7171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2433, 33.8174, 36.7263 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, 157, 157)` looks like.

```
.text, #text, p{  
    color:rgb(158, 157, 157)  
}
```

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, 157, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 157, 157) }
```

Border

The CSS property to change the border of an element to XYZ 32.2433, 33.8174, 36.7263 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, 157, 157) }
```

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

```
.border{ border-color:rgb(158, 157, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 157, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 157, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 157, 157);  
box-shadow:4px 4px 4px 4px rgb(158, 157,  
157) }
```


Background

The CSS property to change the background color of an element to XYZ 32.2433, 33.8174, 36.7263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 157, 157) }
```

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

```
.background{ background-color: rgb(158,  
157, 157) }
```

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