

Converting Colors

XYZ(33.8515, 32.7788, 32.9765)

Have a look what the booklet for
XYZ(33.8515, 32.7788, 32.9765)
contains.

XYZ(33.8515, 32.7788, 32.9765)	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(33.8515, 32.7788,
32.9765)**

Conversions

Conversions Part 1

Format	Color
Hex	AF9595
RGB	175, 149, 149
RGB Percent	69%, 58%, 58%
CMY	0.3137, 0.4157, 0.4157
CMYK	0.00, 0.15, 0.15, 0.31
HSL	0°, 14%, 64%
HSV	0°, 15%, 69%
XYZ	33.8515, 32.7788, 32.9765
YIQ	156.7740, 15.4960, 5.5120

Conversions

Conversions Part 2

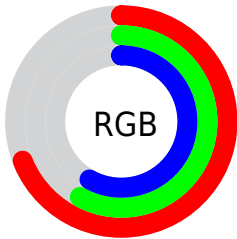
Format	Color
RYB	175, 149, 149
Decimal	11507093
CIELab	63.98, 9.67, 3.59
CIELCh	64, 10.315, 20.355
Yxy	32.7788, 0.3399, 0.3291
Android (android.graphics.Color)	4289697173 (0xFFAF9595)
YUV	156.7740, -3.8326, 15.9842
Hunter-Lab	57.2528, 5.3483, 5.9270

Details

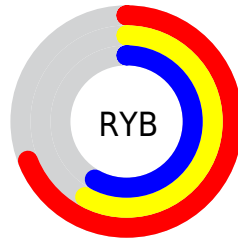
The XYZ color **33.8515, 32.7788, 32.9765** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.4620, 40.1438, 46.4374**, and the grayscale version is **31.9588, 33.6232, 36.6156**.

A 20% lighter version of the original color is **65.0904, 64.0126, 65.4249**, and **14.5983, 13.7548, 13.4408** is the 20% darker color. If you saturate the color by 10%, you get **29.9947, 27.1353, 25.3079**, and if you desaturate by 10%, it is **38.3361, 39.3410, 41.8909**.

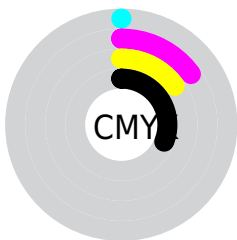
Distribution



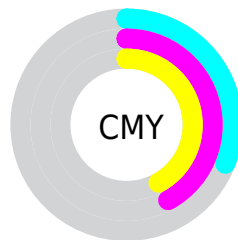
- Red (69%)
- Green (58%)
- Blue (58%)



- Red (69%)
- Yellow (58%)
- Blue (58%)



- Cyan (0%)
- Magenta (15%)
- Yellow (15%)
- Black (31%)





- Cyan (31%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8515, 32.7788, 32.9765 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 33.8515, 32.7788, 32.9765 by changing the saturation by 10% instead.


 33.8515, 32.7788,
32.9765


 33.8515, 32.7788,
32.9765

311.0670,
314.6518, 330.1726

 22.9419, 21.9570,
21.8375


 65.0485, 64.0300,
65.4544

 14.6711, 13.8253,
13.5404


 86.0666, 85.2283,
87.6304

 8.6737, 7.9993,
7.6666


111.1849,
110.6542, 114.3225

 4.5843, 4.0945,
3.7977

140.7688,
140.6921, 145.9491

 2.0377, 1.7266,
1.5150

175.1836,
175.7264, 182.9289

 0.6550, 0.4408,
0.2291

214.7946,

 0.0000, 0.0000,

216.1415, 225.6804

0.0000

259.9673,
262.3219, 274.6221

■ 33.8515, 32.7788,
32.9765

■ 33.8515, 32.7788,
32.9765

■ 29.9947, 27.1353,
25.3079

■ 38.3361, 39.3410,
41.8909

■ 26.7350, 22.3655,
18.8277

■ 43.4717, 46.8558,
52.1009

■ 24.0435, 18.4271,
13.4771

■ 49.2840, 55.3605,
63.6561

■ 21.8876, 15.2724,
9.1915

■ 55.7961, 64.8894,
76.6029

■ 20.2316, 12.8491,
5.8997

■ 63.0304, 75.4749,
90.9854

■ 19.0353, 11.0986,
3.5219

■ 71.0081, 87.1481,
106.8459

■ 18.2525, 9.9529,
1.9659

■ 71.4894, 87.8541,
107.7974

■ 17.8266, 9.3296,
1.1197

■ 17.6796, 9.1145,
0.8275

Harmonies

Analogous

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



33.9945, 32.7788, 37.0494



33.8515, 32.7788, 32.9765



32.9739, 32.7788, 29.8717

Triad

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



33.8515, 32.7788, 32.9765



29.0511, 32.7788, 30.8204



30.6890, 32.7788, 44.1833

Complementary

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



33.8515, 32.7788, 32.9765



35.4620, 40.1438, 46.4374

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.



29.4048, 32.7788, 42.2198



33.8515, 32.7788, 32.9765



28.4787, 32.7788, 34.3654

Square

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



33.8515, 32.7788, 32.9765



30.1926, 32.7788, 28.6957



28.6061, 32.7788, 38.5496



32.1382, 32.7788, 43.7387

Rectangle

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



33.8515, 32.7788, 32.9765



32.1050, 32.7788, 28.6664



28.6061, 32.7788, 38.5496



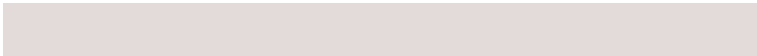
30.2245, 32.7788, 43.7775

Sweetspot

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



33.8524, 32.7803, 32.9772



69.3394, 71.4551, 76.3795



36.1649, 33.7044, 45.1574



15.2684, 15.6724, 16.6919



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.8524, 32.7803, 32.9772



58.1171, 55.0339, 54.0691



36.0248, 37.1250, 33.7013



8.0053, 8.0155, 8.3386



12.6609, 6.5272, 0.5926



0.3522, 0.1816, 0.0165

Inverse Universe

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



35.4620, 40.1438, 46.4374



61.5860, 70.9028, 83.0765



33.0530, 35.3258, 45.6344



8.2363, 9.0719, 10.2697



16.5166, 24.1670, 32.8387



0.4595, 0.6724, 0.9135

Previews

White Background



This preview shows how the XYZ color 33.8515, 32.7788, 32.9765 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 33.8515, 32.7788, 32.9765 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 33.8515, 32.7788, 32.9765

Background



This preview shows how black text looks on a background with the XYZ color 33.8515, 32.7788, 32.9765.



This preview shows how white text looks on a background with the XYZ color 33.8515, 32.7788,

32.9765.

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

33.8515, 32.7788, 32.9765

Protanopia

31.5212, 32.7491, 34.3656

Deuteranopia

33.5647, 32.8669, 33.0087



Tritanopia

34.5962, 32.6007, 37.2700

Trichromacy



Original Color

33.8515, 32.7788, 32.9765

Protanomaly

32.3312, 32.6902, 33.8840

Deuteranomaly

33.7867, 32.9813, 33.0190

Tritanomaly

34.4108, 32.7765, 35.5232

Monochromacy



Original Color

33.8515, 32.7788, 32.9765

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.6982, 33.3368, 35.2831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8515, 32.7788, 32.9765 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(175, 149, 149)` looks like.

```
.text, #text, p{  
    color:rgb(175, 149, 149)  
}
```

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(175, 149, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 149, 149) }
```

Border

The CSS property to change the border of an element to XYZ 33.8515, 32.7788, 32.9765 is called "border". The border property can be set on classes, ids or directly on the HTML element.

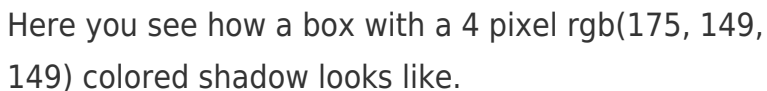
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 149, 149) }
```


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

```
.border{ border-color:rgb(175, 149, 149) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 149, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 149, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 149, 149); box-shadow:4px 4px 4px 4px rgb(175, 149, 149) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8515, 32.7788, 32.9765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 149, 149) }
```

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

```
.background{ background-color: rgb(175,  
149, 149) }
```

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