

Converting Colors

XYZ(33.3515, 32.8158, 41.1355)

Have a look what the booklet for
XYZ(33.3515, 32.8158, 41.1355)
contains.

XYZ(33.3515, 32.8158, 41.1355)	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(33.3515, 32.8158,
41.1355)**

Conversions

Conversions Part 1

Format	Color
Hex	A497A7
RGB	164, 151, 167
RGB Percent	64%, 59%, 65%
CMY	0.3569, 0.4078, 0.3451
CMYK	0.02, 0.10, 0.00, 0.35
HSL	289°, 8%, 62%
HSV	289°, 10%, 65%
XYZ	33.3515, 32.8158, 41.1355
YIQ	156.7110, 2.6120, 7.7320

Conversions

Conversions Part 2

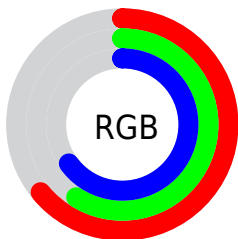
Format	Color
RYB	164, 151, 167
Decimal	10786727
CIELab	64.01, 7.79, -6.63
CIELCh	64, 10.229, 319.585
Yxy	32.8158, 0.3108, 0.3058
Android (android.graphics.Color)	4288976807 (0xFFA497A7)
YUV	156.7110, 5.0725, 6.3925
Hunter-Lab	57.2851, 3.6742, -2.4756

Details

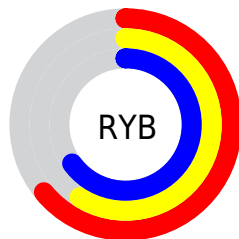
The XYZ color **33.3515, 32.8158, 41.1355** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.7324, 36.7427, 34.6468**, and the grayscale version is **31.8960, 33.5570, 36.5436**.

A 20% lighter version of the original color is **64.2296, 63.9966, 78.0746**, and **14.3338, 13.7969, 18.1273** is the 20% darker color. If you saturate the color by 10%, you get **30.2139, 27.4879, 40.2730**, and if you desaturate by 10%, it is **36.8877, 38.9162, 42.1271**.

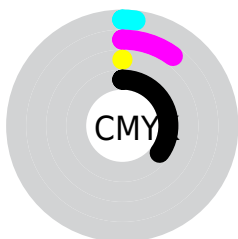
Distribution



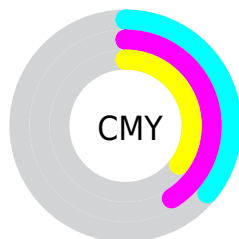
- Red (64%)
- Green (59%)
- Blue (65%)



- Red (64%)
- Yellow (59%)
- Blue (65%)



- Cyan (2%)
- Magenta (10%)
- Yellow (0%)
- Black (35%)



- Cyan (36%)
- Magenta (41%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3515, 32.8158, 41.1355 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 33.3515, 32.8158, 41.1355 by changing the saturation by 10% instead.

■ 33.3515, 32.8158,
41.1355

■ 33.3515, 32.8158,
41.1355

308.8677,
314.8189, 366.5800

■ 22.5564, 21.9854,
28.1045

■ 64.2749, 64.0878,
78.1454

■ 14.3852, 13.8462,
18.1647

■ 85.1340, 85.2982,
102.9615

■ 8.4725, 8.0137,
10.8976

110.0783,
110.7374, 132.5429

■ 4.4531, 4.1037,
5.8847

139.4734,
140.7898, 167.3082

■ 1.9615, 1.7318,
2.7075

173.6845,
175.8397, 207.6761

■ 0.6122, 0.4441,
0.9472

213.0770,

■ 0.0000, 0.0000,

216.2716, 254.0650

0.0000

258.0163,
262.4699, 306.8934

■ 33.3515, 32.8158,
41.1355

■ 33.3515, 32.8158,
41.1355

■ 30.2139, 27.4879,
40.2730

■ 36.8877, 38.9162,
42.1271

■ 27.4559, 22.8963,
39.5321

■ 40.8346, 45.8148,
43.2507

■ 25.0614, 19.0083,
38.9078

■ 45.2076, 53.5416,
44.5116

■ 23.0118, 15.7871,
38.3941

■ 50.0202, 62.1234,
45.9144

■ 21.2870, 13.1923,
37.9841

■ 55.2853, 71.5861,
47.4634

■ 19.8644, 11.1794,
37.6706

■ 61.0154, 81.9543,
49.1626

■ 18.7188, 9.6977,
37.4450

■ 62.9665, 84.7397,
49.5974

■ 17.8203, 8.6879,
37.2974

■ 63.7354, 85.1361,
49.6334

■ 17.1059, 8.0240,
37.2069

■ 64.5211, 85.5411,
49.6702

Harmonies

Analogous

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



32.1300, 32.8158, 43.7545



33.3515, 32.8158, 41.1355



34.0004, 32.8158, 37.1871

Triad

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



33.3515, 32.8158, 41.1355



31.6948, 32.8158, 28.4698



28.6481, 32.8158, 38.4618

Complementary

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



33.3515, 32.8158, 41.1355



32.7324, 36.7427, 34.6468

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.



28.5397, 32.8158, 34.3131



33.3515, 32.8158, 41.1355



30.2694, 32.8158, 28.7534

Square

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



33.3515, 32.8158, 41.1355



33.0245, 32.8158, 30.0146



29.1248, 32.8158, 30.8216



29.4255, 32.8158, 42.1303

Rectangle

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



33.3515, 32.8158, 41.1355



34.0078, 32.8158, 34.4237



29.1248, 32.8158, 30.8216



28.5332, 32.8158, 37.0706

Sweetspot

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



33.3525, 32.8172, 41.1362



63.7800, 65.7398, 74.8028



31.3276, 32.5482, 41.1910



14.1594, 14.5155, 16.7076



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.3525, 32.8172, 41.1362



58.7732, 57.1343, 73.4056



33.5434, 32.9660, 38.8718



7.7020, 7.5945, 9.4783



13.1057, 6.1397, 28.4698



0.3535, 0.1672, 0.6943

Inverse Universe

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



32.8369, 32.6834, 35.1515



57.7121, 56.8611, 60.9848



32.5663, 36.6112, 36.7154



7.5865, 7.5644, 8.1395



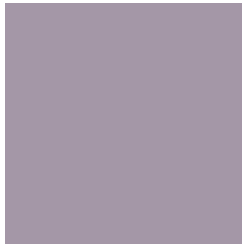
12.4011, 6.3692, 1.6579



0.3177, 0.1613, 0.1243

Previews

White Background



This preview shows how the XYZ color 33.3515, 32.8158, 41.1355 looks on a white background.

Color Contrast Check

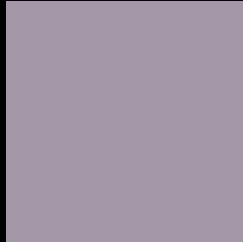
Large Text (above 18pt) WCAG AA × Fail

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 33.3515, 32.8158, 41.1355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

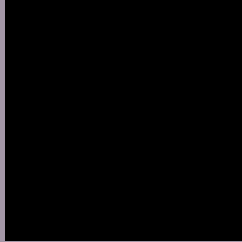
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3515, 32.8158, 41.1355

Background



This preview shows how black text looks on a background with the XYZ color 33.3515, 32.8158, 41.1355.



This preview shows how white text looks on a background with the XYZ color 33.3515, 32.8158,

41.1355.

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

33.3515, 32.8158, 41.1355

Protanopia

32.0435, 32.8458, 42.1871

Deuteranopia

33.5587, 32.9226, 41.1452



Tritanopia

33.0333, 32.9233, 39.7358

Trichromacy



Original Color

33.3515, 32.8158, 41.1355

Protanomaly

32.5597, 32.8787, 41.6759

Deuteranomaly

33.5587, 32.9226, 41.1452

Tritanomaly

33.1240, 32.9596, 40.2133

Monochromacy



Original Color

33.3515, 32.8158, 41.1355

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.6516, 33.4895, 38.4614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3515, 32.8158, 41.1355 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(164, 151, 167)` looks like.

```
.text, #text, p{  
    color:rgb(164, 151, 167)  
}
```

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(164, 151, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 151, 167) }
```

Border

The CSS property to change the border of an element to XYZ 33.3515, 32.8158, 41.1355 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(164, 151, 167) }
```


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

```
.border{ border-color:rgb(164, 151, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 151, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 151, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 151, 167);  
box-shadow:4px 4px 4px 4px rgb(164, 151,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3515, 32.8158, 41.1355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 151, 167) }
```

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

```
.background{ background-color: rgb(164,  
151, 167) }
```

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