

Converting Colors

XYZ(32.3332, 29.2759, 36.8745)

Have a look what the booklet for
XYZ(32.3332, 29.2759, 36.8745)
contains.

XYZ(32.2169, 29.1652, 36.7323)	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(32.2169, 29.1652,
36.7323)**

Conversions

Conversions Part 1

Format	Color
Hex	AC899F
RGB	172, 137, 159
RGB Percent	67%, 54%, 62%
CMY	0.3255, 0.4627, 0.3765
CMYK	0.00, 0.20, 0.08, 0.33
HSL	322°, 17%, 61%
HSV	322°, 20%, 67%
XYZ	32.2169, 29.1652, 36.7323
YIQ	149.9730, 13.7980, 14.2620

Conversions

Conversions Part 2

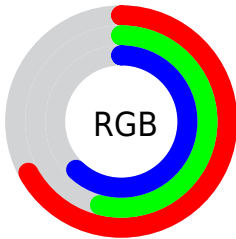
Format	Color
RYB	172, 137, 159
Decimal	11307423
CIELab	60.93, 17.04, -6.59
CIElCh	61, 18.269, 338.839
Yxy	29.1652, 0.3284, 0.2973
Android (android.graphics.Color)	4289497503 (0xFFAC899F)
YUV	149.9730, 4.4503, 19.3177
Hunter-Lab	54.0048, 11.9768, -2.5237

Details

The XYZ color **32.2169, 29.1652, 36.7323** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **30.5752, 37.0262, 34.3912**, and the grayscale version is **28.9563, 30.4643, 33.1756**.

A 20% lighter version of the original color is **62.7633, 58.6106, 71.6233**, and **13.7227, 11.8210, 15.7458** is the 20% darker color. If you saturate the color by 10%, you get **29.4241, 24.4437, 33.1364**, and if you desaturate by 10%, it is **35.4299, 34.6803, 40.6103**.

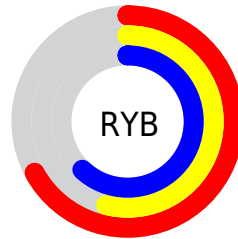
Distribution



Red (67%)

Green (54%)

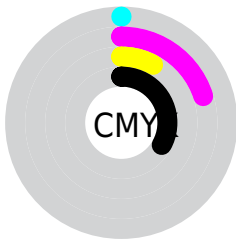
Blue (62%)



Red (67%)

Yellow (54%)

Blue (62%)

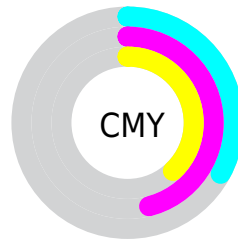


Cyan (0%)

Magenta (20%)

Yellow (8%)

Black (33%)



Cyan (33%)

Magenta (46%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2169, 29.1652, 36.7323 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 32.2169, 29.1652, 36.7323 by changing the saturation by 10% instead.

■ 32.2169, 29.1652,
36.7323

■ 32.2169, 29.1652,
36.7323

303.8339,
297.9936, 347.2838

■ 21.6836, 19.2058,
24.7061

■ 62.5139, 58.3395,
71.3426

■ 13.7399, 11.8191,
15.6412

■ 83.0082, 78.3231,
94.7638

■ 8.0205, 6.6206,
9.1190

■ 107.5536,
102.4170, 122.8204

■ 4.1600, 3.2260,
4.7210

136.5154,
131.0055, 155.9310

■ 1.7930, 1.2508,
2.0287

170.2590,
164.4730, 194.5141

■ 0.5135, 0.1026,
0.5728

209.1497,

■ 0.0000, 0.0000,

203.2040, 238.9882

0.0000

253.5529,
247.5827, 289.7720

■ 32.2169, 29.1652,
36.7323

■ 32.2169, 29.1652,
36.7323

■ 29.4241, 24.4437,
33.1364

■ 35.4299, 34.6803,
40.6103

■ 27.0300, 20.4749,
29.8124

■ 39.0780, 41.0196,
44.7766

■ 25.0152, 17.2201,
26.7519

■ 43.1788, 48.2171,
49.2392

■ 23.3573, 14.6355,
23.9454

■ 47.7480, 56.3034,
54.0054

■ 22.0318, 12.6725,
21.3823

■ 52.8004, 65.3078,
59.0822

■ 21.0106, 11.2759,
19.0510

■ 58.3503, 75.2581,
64.4762

■ 20.2608, 10.3807,
16.9381

■ 63.6395, 84.6372,
69.9364

■ 19.7260, 9.8558,
15.0805

■ 64.4205, 84.9496,
74.0489

■ 65.2333, 85.2747,
78.3289

Harmonies

Analogous

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



30.6946, 29.1652, 43.1127



32.2169, 29.1652, 36.7323



32.4991, 29.1652, 29.7819

Triad

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



32.2169, 29.1652, 36.7323



27.0225, 29.1652, 20.4743



24.3027, 29.1652, 40.7167

Complementary

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



32.2169, 29.1652, 36.7323



30.5752, 37.0262, 34.3912

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.



23.4352, 29.1652, 33.8153



32.2169, 29.1652, 36.7323



24.9453, 29.1652, 22.5923

Square

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



32.2169, 29.1652, 36.7323



29.4078, 29.1652, 21.0232



23.6635, 29.1652, 27.2506



26.0993, 29.1652, 45.6326

Rectangle

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



32.2169, 29.1652, 36.7323



31.9311, 29.1652, 25.8376



23.6635, 29.1652, 27.2506



23.8976, 29.1652, 38.5153

Sweetspot

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



32.2178, 29.1665, 36.7329



66.9817, 67.6035, 76.8118



28.9403, 27.3396, 42.7818



14.4683, 14.5385, 16.5915



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



32.2178, 29.1665, 36.7329



56.2880, 49.2437, 63.9135



30.8174, 28.6064, 29.3590



8.2090, 8.0968, 9.4112



14.7064, 7.3451, 11.3654



0.4344, 0.2144, 0.4492

Inverse Universe

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



32.2178, 29.1665, 36.7329



56.2880, 49.2437, 63.9135



32.0759, 37.6264, 42.2936



8.2090, 8.0968, 9.4112



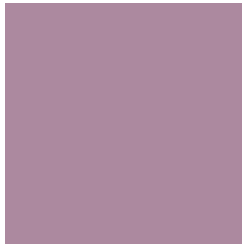
14.7064, 7.3451, 11.3654



0.4344, 0.2144, 0.4492

Previews

White Background



This preview shows how the XYZ color 32.2169, 29.1652, 36.7323 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2169, 29.1652, 36.7323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

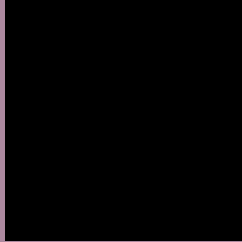
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2169, 29.1652, 36.7323

Background



This preview shows how black text looks on a background with the XYZ color 32.2169, 29.1652, 36.7323.



This preview shows how white text looks on a background with the XYZ color 32.2169, 29.1652,

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

32.2169, 29.1652, 36.7323

Protanopia

28.7475, 29.2941, 39.7365

Deuteranopia

29.8986, 29.2816, 36.4238



Tritanopia

31.4520, 29.2931, 32.4302

Trichromacy



Original Color

32.2169, 29.1652, 36.7323

Protanomaly

29.9509, 29.2578, 38.7191

Deuteranomaly

30.5967, 29.1998, 36.3712

Tritanomaly

31.6328, 29.1348, 34.0933

Monochromacy



Original Color

32.2169, 29.1652, 36.7323

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.9757, 29.8198, 34.3129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2169, 29.1652, 36.7323 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(172, 137, 159)` looks like.

```
.text, #text, p{  
    color:rgb(172, 137, 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(172, 137, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 137, 159) }
```

Border

The CSS property to change the border of an element to XYZ 32.2169, 29.1652, 36.7323 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(172, 137, 159) }
```


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

```
.border{ border-color:rgb(172, 137, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 137, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 137, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 137, 159);  
box-shadow:4px 4px 4px 4px rgb(172, 137,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2169, 29.1652, 36.7323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 137, 159) }
```

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

```
.background{ background-color: rgb(172,  
137, 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](#).

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