

Converting Colors

XYZ(31.8667, 28.9342, 36.7392)

Have a look what the booklet for
XYZ(31.8667, 28.9342, 36.7392)
contains.

XYZ(31.9983, 29.0525, 36.7221)	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(31.9983, 29.0525,
36.7221)**

Conversions

Conversions Part 1

Format	Color
Hex	AB899F
RGB	171, 137, 159
RGB Percent	67%, 54%, 62%
CMY	0.3294, 0.4627, 0.3765
CMYK	0.00, 0.20, 0.07, 0.33
HSL	321°, 17%, 60%
HSV	321°, 20%, 67%
XYZ	31.9983, 29.0525, 36.7221
YIQ	149.6740, 13.2020, 14.0500

Conversions

Conversions Part 2

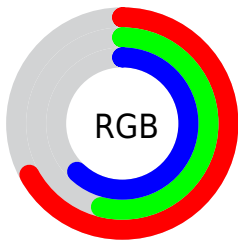
Format	Color
RYB	171, 137, 159
Decimal	11241887
CIELab	60.83, 16.67, -6.75
CIELCh	61, 17.990, 337.953
Yxy	29.0525, 0.3273, 0.2971
Android (android.graphics.Color)	4289431967 (0xFFAB899F)
YUV	149.6740, 4.5977, 18.7029
Hunter-Lab	53.9004, 11.6420, -2.6638

Details

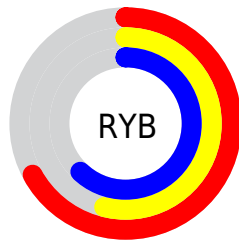
The XYZ color **31.9983, 29.0525, 36.7221** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **30.3055, 36.6150, 33.9057**, and the grayscale version is **28.8293, 30.3307, 33.0301**.

A 20% lighter version of the original color is **62.4470, 58.4475, 71.6085**, and **13.5862, 11.7507, 15.7394** is the 20% darker color. If you saturate the color by 10%, you get **29.2466, 24.3667, 33.2836**, and if you desaturate by 10%, it is **35.1625, 34.5216, 40.4250**.

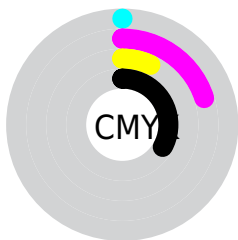
Distribution



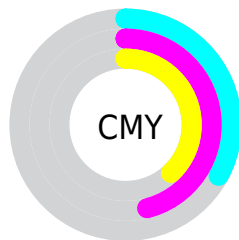
- Red (67%)
- Green (54%)
- Blue (62%)



- Red (67%)
- Yellow (54%)
- Blue (62%)



- Cyan (0%)
- Magenta (20%)
- Yellow (7%)
- Black (33%)



- Cyan (33%)
- Magenta (46%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9983, 29.0525, 36.7221 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 31.9983, 29.0525, 36.7221 by changing the saturation by 10% instead.

■ 31.9983, 29.0525,
36.7221

■ 31.9983, 29.0525,
36.7221

302.8569,
297.4626, 347.2382

■ 21.5157, 19.1205,
24.6983

■ 62.1736, 58.1605,
71.3267

■ 13.6161, 11.7574,
15.6354

■ 82.5971, 78.1053,
94.7446

■ 7.9341, 6.5787,
9.1150

■ 107.0650,
102.1565, 122.7976

■ 4.1042, 3.2001,
4.7184

135.9425,
130.6986, 155.9043

■ 1.7613, 1.2371,
2.0272

169.5951,
164.1158, 194.4831

■ 0.4942, 0.0917,
0.5719

208.3882,

■ 0.0000, 0.0000,

202.7926, 238.9527

0.0000

252.6870,
247.1134, 289.7315

■ 31.9983, 29.0525,
36.7221

■ 31.9983, 29.0525,
36.7221

■ 29.2466, 24.3667,
33.2836

■ 35.1625, 34.5216,
40.4250

■ 26.8865, 20.4239,
30.0997

■ 38.7540, 40.8042,
44.3979

■ 24.8988, 17.1863,
27.1626

■ 42.7898, 47.9334,
48.6486

■ 23.2618, 14.6109,
24.4632

■ 47.2853, 55.9394,
53.1839

■ 21.9513, 12.6502,
21.9914

■ 52.2553, 64.8511,
58.0103

■ 20.9402, 11.2500,
19.7363

■ 57.7135, 74.6957,
63.1341

■ 20.1962, 10.3469,
17.6852

■ 63.1271, 84.4070,
68.3792

■ 19.6505, 9.8038,
15.8130

■ 63.8526, 84.6972,
72.1993

■ 19.6444, 9.7979,
15.7915

■ 64.6063, 84.9986,
76.1681

Harmonies

Analogous

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



30.4748, 29.0525, 42.9233



31.9983, 29.0525, 36.7221



32.3147, 29.0525, 29.8834

Triad

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



31.9983, 29.0525, 36.7221



26.9956, 29.0525, 20.5086



24.2148, 29.0525, 40.2403

Complementary

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



31.9983, 29.0525, 36.7221



30.3055, 36.6150, 33.9057

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.



23.3920, 29.0525, 33.4501



31.9983, 29.0525, 36.7221



24.9372, 29.0525, 22.5199

Square

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



31.9983, 29.0525, 36.7221



29.3375, 29.0525, 21.1279



23.6488, 29.0525, 27.0377



25.9584, 29.0525, 45.1462

Rectangle

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



31.9983, 29.0525, 36.7221



31.7826, 29.0525, 25.9683



23.6488, 29.0525, 27.0377



23.8260, 29.0525, 38.0674

Sweetspot

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



31.9991, 29.0538, 36.7227



65.3099, 65.8986, 75.0265



28.6738, 27.2133, 42.2700



14.4762, 14.5417, 16.6329



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.



31.9991, 29.0538, 36.7227



54.9792, 48.0499, 62.9118



30.6313, 28.5067, 29.5199



8.2152, 8.0993, 9.4440



14.8344, 7.3963, 12.0395



0.4374, 0.2156, 0.4649

Inverse Universe

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



31.9991, 29.0538, 36.7227



54.9792, 48.0499, 62.9118



31.7542, 37.1945, 41.5347



8.2152, 8.0993, 9.4440



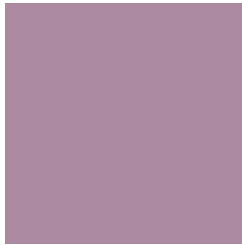
14.8344, 7.3963, 12.0395



0.4374, 0.2156, 0.4649

Previews

White Background



This preview shows how the XYZ color 31.9983, 29.0525, 36.7221 looks on a white background.

Color Contrast Check

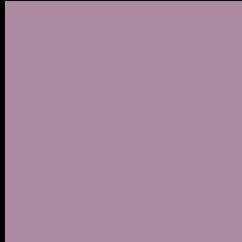
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9983, 29.0525, 36.7221 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 31.9983, 29.0525, 36.7221

Background



This preview shows how black text looks on a background with the XYZ color 31.9983, 29.0525, 36.7221.



This preview shows how white text looks on a background with the XYZ color 31.9983, 29.0525,

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

31.9983, 29.0525, 36.7221

Protanopia

28.5720, 29.2037, 39.7283

Deuteranopia

29.7043, 29.1815, 36.4148



Tritanopia

31.2350, 29.1812, 32.4200

Trichromacy



Original Color

31.9983, 29.0525, 36.7221

Protanomaly

29.7597, 29.1593, 38.7101

Deuteranomaly

30.3944, 29.0954, 36.3618

Tritanomaly

31.4158, 29.0229, 34.0832

Monochromacy



Original Color

31.9983, 29.0525, 36.7221

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 31.9983, 29.0525, 36.7221 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(171, 137, 159)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 137, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 137, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.9983, 29.0525, 36.7221 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(171, 137, 159) }
```


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

```
.border{ border-color:rgb(171, 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(171, 137, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 137, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 137, 159);  
box-shadow:4px 4px 4px 4px rgb(171, 137,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9983, 29.0525, 36.7221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 137, 159) }
```

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

```
.background{ background-color: rgb(171,  
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](#).

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