

Converting Colors

XYZ(31.9788, 28.4490, 37.6751)

Have a look what the booklet for
XYZ(31.9788, 28.4490, 37.6751)
contains.

XYZ(31.9714, 28.3941, 37.5137)	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(31.9714, 28.3941,
37.5137)**

Conversions

Conversions Part 1

Format	Color
Hex	AC86A1
RGB	172, 134, 161
RGB Percent	67%, 53%, 63%
CMY	0.3255, 0.4745, 0.3686
CMYK	0.00, 0.22, 0.06, 0.33
HSL	317°, 19%, 60%
HSV	317°, 22%, 67%
XYZ	31.9714, 28.3941, 37.5137
YIQ	148.4400, 13.9810, 16.4530

Conversions

Conversions Part 2

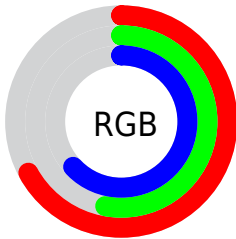
Format	Color
RYB	172, 134, 161
Decimal	11306657
CIELab	60.24, 19.10, -8.75
CIELCh	60, 21.009, 335.373
Yxy	28.3941, 0.3266, 0.2901
Android (android.graphics.Color)	4289496737 (0xFFAC86A1)
YUV	148.4400, 6.1921, 20.6621
Hunter-Lab	53.2861, 13.8484, -4.4402

Details

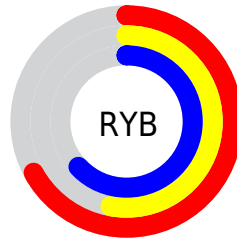
The XYZ color **31.9714, 28.3941, 37.5137** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.6961, 36.6186, 32.2928**, and the grayscale version is **28.3037, 29.7776, 32.4279**.

A 20% lighter version of the original color is **62.1599, 56.9925, 72.6902**, and **13.5384, 11.3667, 15.9484** is the 20% darker color. If you saturate the color by 10%, you get **29.3545, 23.8488, 34.5181**, and if you desaturate by 10%, it is **34.9941, 33.7223, 40.7316**.

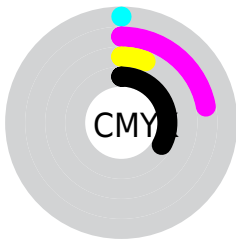
Distribution



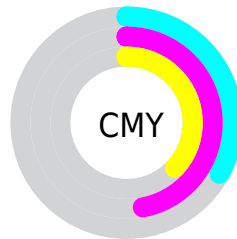
- Red (67%)
- Green (53%)
- Blue (63%)



- Red (67%)
- Yellow (53%)
- Blue (63%)



- Cyan (0%)
- Magenta (22%)
- Yellow (6%)
- Black (33%)





- Cyan (33%)
- Magenta (47%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9714, 28.3941, 37.5137 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 31.9714, 28.3941, 37.5137 by changing the saturation by 10% instead.

 31.9714, 28.3941,
37.5137


 31.9714, 28.3941,
37.5137


302.7366,
294.3453, 350.7647


 21.4951, 18.6230,
25.3066


 62.1317, 57.1130,
72.5573

 13.6009, 11.3982,
16.0845

 82.5465, 76.8296,
96.2308

 7.9235, 6.3353,
9.4290

 107.0048,
100.6301, 124.5636

 4.0974, 3.0500,
4.9214

135.8719,
128.8989, 157.9741

 1.7574, 1.1579,
2.1433

169.5134,
162.0204, 196.8810

 0.4918, 0.0269,
0.6414

208.2944,

 0.0000, 0.0000,

200.3791, 241.7026

0.0000

252.5803,
244.3593, 292.8577

■ 31.9714, 28.3941,
37.5137

■ 31.9714, 28.3941,
37.5137

■ 29.3545, 23.8488,
34.5181

■ 34.9941, 33.7223,
40.7316

■ 27.1221, 20.0451,
31.7355

■ 38.4377, 39.8643,
44.1767

■ 25.2545, 16.9437,
29.1590

■ 42.3196, 46.8543,
47.8561

■ 23.7294, 14.5004,
26.7798

■ 46.6554, 54.7233,
51.7760

■ 22.5219, 12.6655,
24.5887

■ 51.4600, 63.5005,
55.9422

■ 21.6035, 11.3826,
22.5752

■ 56.7475, 73.2140,
60.3605

■ 20.9404, 10.5844,
20.7268

■ 62.5315, 83.8907,
65.0361

■ 20.5391, 10.1810,
19.3620

■ 63.2969, 84.5001,
68.1317

■ 63.8917, 84.7381,
71.2641

Harmonies

Analogous

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



30.0962, 28.3941, 44.6465



31.9714, 28.3941, 37.5137



32.4757, 28.3941, 29.5490

Triad

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



31.9714, 28.3941, 37.5137



26.5060, 28.3941, 18.3822



22.9836, 28.3941, 40.3157

Complementary

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



31.9714, 28.3941, 37.5137



29.6961, 36.6186, 32.2928

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.



22.1558, 28.3941, 32.3252



31.9714, 28.3941, 37.5137



24.1010, 28.3941, 20.3364

Square

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



31.9714, 28.3941, 37.5137



29.2025, 28.3941, 19.3045



22.5509, 28.3941, 25.1417



24.8879, 28.3941, 46.4434

Rectangle

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



31.9714, 28.3941, 37.5137



31.9395, 28.3941, 24.9897



22.5509, 28.3941, 25.1417



22.5762, 28.3941, 37.7130

Sweetspot

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



31.9722, 28.3954, 37.5143



66.4883, 66.5207, 76.9432



27.6087, 26.0288, 42.5991



14.3729, 14.3201, 16.6449



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.



31.9722, 28.3954, 37.5143



55.3518, 46.8931, 65.0754



30.4394, 27.7822, 29.4427



8.2367, 8.1079, 9.5574



15.3089, 7.5861, 14.5381



0.4480, 0.2199, 0.5211

Inverse Universe

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



31.9722, 28.3954, 37.5143



55.3518, 46.8931, 65.0754



31.2648, 37.2461, 40.5537



8.2367, 8.1079, 9.5574



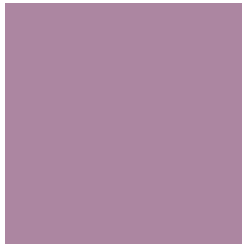
15.3089, 7.5861, 14.5381



0.4480, 0.2199, 0.5211

Previews

White Background



This preview shows how the XYZ color 31.9714, 28.3941, 37.5137 looks on a white background.

Color Contrast Check

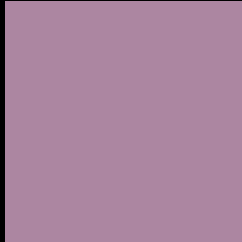
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9714, 28.3941, 37.5137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

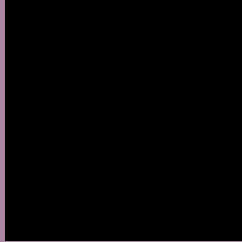
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9714, 28.3941, 37.5137

Background



This preview shows how black text looks on a background with the XYZ color 31.9714, 28.3941, 37.5137.



This preview shows how white text looks on a background with the XYZ color 31.9714, 28.3941,

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

31.9714, 28.3941, 37.5137

Protanopia

28.0256, 28.4364, 41.0574

Deuteranopia

29.0069, 28.3601, 37.2029



Tritanopia

30.6482, 28.2610, 31.4433

Trichromacy



Original Color

31.9714, 28.3941, 37.5137

Protanomaly

29.1185, 28.1482, 39.4957

Deuteranomaly

29.9308, 28.1886, 37.1211

Tritanomaly

31.1261, 28.2529, 33.5186

Monochromacy



Original Color

31.9714, 28.3941, 37.5137

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.4769, 29.1129, 34.2028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9714, 28.3941, 37.5137 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, 134, 161)` looks like.

```
.text, #text, p{  
    color:rgb(172, 134, 161)  
}
```

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, 134, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 134, 161) }
```

Border

The CSS property to change the border of an element to XYZ 31.9714, 28.3941, 37.5137 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, 134, 161) }
```


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

```
.border{ border-color:rgb(172, 134, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 134, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 134, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 134, 161);  
box-shadow:4px 4px 4px 4px rgb(172, 134,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9714, 28.3941, 37.5137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 134, 161) }
```

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

```
.background{ background-color: rgb(172,  
134, 161) }
```

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