

Converting Colors

XYZ(31.3137, 33.2289, 41.5034)

Have a look what the booklet for
XYZ(31.3137, 33.2289, 41.5034)
contains.

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Color

**XYZ(31.2448, 33.1999,
41.3207)**

Conversions

Conversions Part 1

Format	Color
Hex	949DA7
RGB	148, 157, 167
RGB Percent	58%, 62%, 65%
CMY	0.4196, 0.3843, 0.3451
CMYK	0.11, 0.06, 0.00, 0.35
HSL	212°, 10%, 62%
HSV	212°, 11%, 65%
XYZ	31.2448, 33.1999, 41.3207
YIQ	155.4490, -8.5740, 1.2020

Conversions

Conversions Part 2

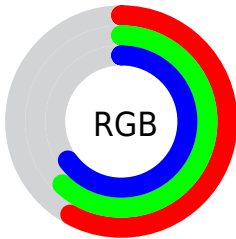
Format	Color
RYB	148, 154, 167
Decimal	9739687
CIELab	64.32, -1.14, -6.31
CIELCh	64, 6.414, 259.762
Yxy	33.1999, 0.2954, 0.3139
Android (android.graphics.Color)	4287929767 (0xFF949DA7)
YUV	155.4490, 5.6946, -6.5328
Hunter-Lab	57.6194, -4.0401, -2.1852

Details

The XYZ color **31.2448, 33.1999, 41.3207** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.5087, 34.8072, 32.9700**, and the grayscale version is **31.3338, 32.9656, 35.8995**.

A 20% lighter version of the original color is **61.0854, 64.9175, 78.4180**, and **13.1783, 14.0873, 18.2442** is the 20% darker color. If you saturate the color by 10%, you get **27.0058, 28.8871, 40.7122**, and if you desaturate by 10%, it is **36.0285, 37.9540, 41.9867**.

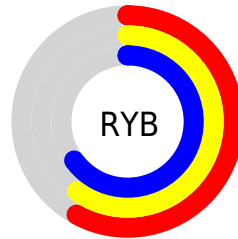
Distribution



Red (58%)

Green (62%)

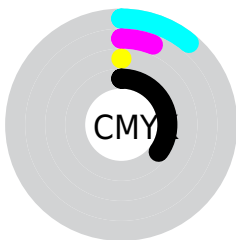
Blue (65%)



Red (58%)

Yellow (60%)

Blue (65%)

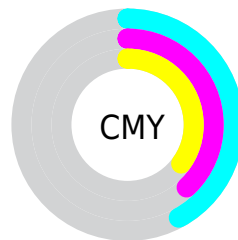


Cyan (11%)

Magenta (6%)

Yellow (0%)

Black (35%)



Cyan (42%)

Magenta (38%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2448, 33.1999, 41.3207 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 31.2448, 33.1999, 41.3207 by changing the saturation by 10% instead.

■ 31.2448, 33.1999,
41.3207

■ 31.2448, 33.1999,
41.3207

299.4713,
316.5495, 367.3755

■ 20.9381, 22.2796,
28.2482

■ 60.9985, 64.6875,
78.4294

■ 13.1909, 14.0625,
18.2721

■ 81.1762, 86.0236,
103.3027

■ 7.6381, 8.1642,
10.9741

105.3749,
111.6005, 132.9467

■ 3.9141, 4.2002,
5.9355

133.9600,
141.8024, 167.7799

■ 1.6536, 1.7862,
2.7377

167.2968,
177.0139, 208.2208

■ 0.4270, 0.4785,
0.9623

205.7507,

■ 0.0000, 0.0000,

217.6194, 254.6880

0.0000

249.6871,
264.0031, 307.6000

■ 31.2448, 33.1999,
41.3207

■ 31.2448, 33.1999,
41.3207

■ 27.0058, 28.8871,
40.7122

■ 36.0285, 37.9540,
41.9867

■ 23.2879, 24.9975,
40.1574

■ 41.3737, 43.1587,
42.7096

■ 20.0697, 21.5176,
39.6553

■ 47.2999, 48.8279,
43.4915

■ 17.3273, 18.4314,
39.2042

■ 53.8248, 54.9740,
44.3339

■ 15.0347, 15.7219,
38.8020

■ 60.9654, 61.6086,
45.2382

■ 13.1631, 13.3704,
38.4468

■ 68.7380, 68.7429,
46.2056

■ 11.6799, 11.3561,
38.1361

■ 73.4207, 74.4611,
47.0625

■ 10.5468, 9.6551,
37.8675

■ 75.7674, 79.1546,
47.8448

■ 9.7802, 8.4002,
37.6657

■ 78.2369, 84.0936,
48.6679

Harmonies

Analogous

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



30.4361, 33.1999, 40.1205



31.2448, 33.1999, 41.3207



32.1522, 33.1999, 41.0852

Triad

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



31.2448, 33.1999, 41.3207



33.2350, 33.1999, 34.4772



30.2355, 33.1999, 33.0005

Complementary

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



31.2448, 33.1999, 41.3207



33.5087, 34.8072, 32.9700

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.



30.9662, 33.1999, 31.6250



31.2448, 33.1999, 41.3207



32.7021, 33.1999, 32.4487

Square

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



31.2448, 33.1999, 41.3207



33.3131, 33.1999, 37.0492



31.8683, 33.1999, 31.4280



29.8609, 33.1999, 35.2636

Rectangle

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



31.2448, 33.1999, 41.3207



32.6906, 33.1999, 40.1493



31.8683, 33.1999, 31.4280



30.4470, 33.1999, 32.4237

Sweetspot

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



31.2458, 33.2013, 41.3214



63.0177, 66.4886, 74.9875



32.1879, 36.3963, 37.5944



13.9456, 14.7243, 16.7592



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.



31.2458, 33.2013, 41.3214



53.6761, 57.1587, 73.6790



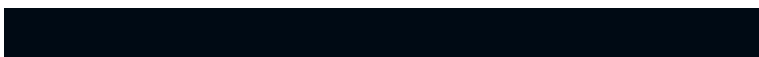
29.8357, 30.2960, 40.8350



7.4139, 7.8648, 9.5456



7.5323, 6.5248, 28.8379



0.2348, 0.2618, 0.7188

Inverse Universe

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



32.6129, 31.8304, 36.3249



56.7024, 54.2090, 62.5992



35.0341, 37.9572, 33.4976



7.6735, 7.5993, 8.5981



13.3025, 6.7297, 6.4047



0.3497, 0.1741, 0.2927

Previews

White Background



This preview shows how the XYZ color 31.2448, 33.1999, 41.3207 looks on a white background.

Color Contrast Check

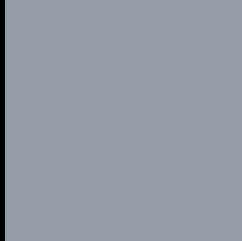
Large Text (above 18pt) WCAG AA × Fail

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 31.2448, 33.1999, 41.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

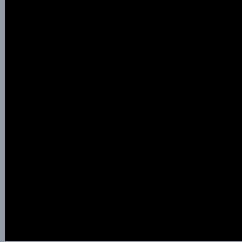
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

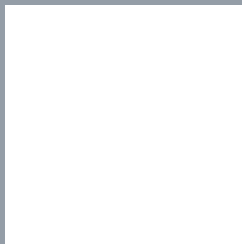
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2448, 33.1999, 41.3207

Background



This preview shows how black text looks on a background with the XYZ color 31.2448, 33.1999, 41.3207.



This preview shows how white text looks on a background with the XYZ color 31.2448, 33.1999,

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

31.2448, 33.1999, 41.3207

Protanopia

32.3146, 33.2638, 40.7938

Deuteranopia

33.6515, 32.9597, 41.6340



Tritanopia

31.4311, 33.2744, 42.3021

Trichromacy



Original Color

31.2448, 33.1999, 41.3207

Protanomaly

31.9083, 33.3024, 40.8227

Deuteranomaly

32.7572, 32.9805, 41.6852

Tritanomaly

31.3376, 33.2370, 41.8095

Monochromacy



Original Color

31.2448, 33.1999, 41.3207

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0954, 32.9555, 37.5230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2448, 33.1999, 41.3207 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(148, 157, 167) looks like.

```
.text, #text, p{  
    color:rgb(148, 157, 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(148, 157, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 157, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.2448, 33.1999, 41.3207 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(148, 157, 167) }
```


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

```
.border{ border-color:rgb(148, 157, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 157, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 157, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 157, 167);  
box-shadow:4px 4px 4px 4px rgb(148, 157,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2448, 33.1999, 41.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 157, 167) }
```

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

```
.background{ background-color: rgb(148,  
157, 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](#).

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