

Converting Colors

XYZ(31.9166, 33.3958, 41.9565)

Have a look what the booklet for
XYZ(31.9166, 33.3958, 41.9565)
contains.

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Color

**XYZ(31.9052, 33.2795,
41.7878)**

Conversions

Conversions Part 1

Format	Color
Hex	989CA8
RGB	152, 156, 168
RGB Percent	60%, 61%, 66%
CMY	0.4039, 0.3882, 0.3412
CMYK	0.10, 0.07, 0.00, 0.34
HSL	225°, 8%, 63%
HSV	225°, 10%, 66%
XYZ	31.9052, 33.2795, 41.7878
YIQ	156.1720, -6.2360, 2.8840

Conversions

Conversions Part 2

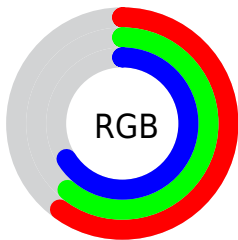
Format	Color
RYB	152, 155, 168
Decimal	10001576
CIELab	64.39, 1.00, -6.75
CIELCh	64, 6.819, 278.414
Yxy	33.2795, 0.2983, 0.3111
Android (android.graphics.Color)	4288191656 (0xFF989CA8)
YUV	156.1720, 5.8312, -3.6588
Hunter-Lab	57.6884, -2.2333, -2.5661

Details

The XYZ color **31.9052, 33.2795, 41.7878** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.0914, 37.1423, 35.0259**, and the grayscale version is **31.6543, 33.3027, 36.2667**.

A 20% lighter version of the original color is **61.8195, 64.5427, 79.0118**, and **13.5708, 14.1308, 18.5353** is the 20% darker color. If you saturate the color by 10%, you get **26.9756, 27.7620, 40.9831**, and if you desaturate by 10%, it is **37.5014, 39.4679, 42.6879**.

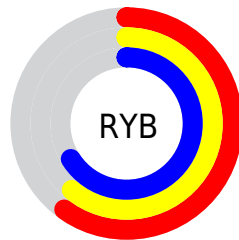
Distribution



Red (60%)

Green (61%)

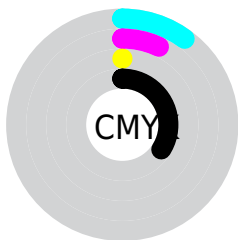
Blue (66%)



Red (60%)

Yellow (61%)

Blue (66%)

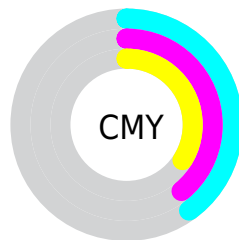


Cyan (10%)

Magenta (7%)

Yellow (0%)

Black (34%)



Cyan (40%)

Magenta (39%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9052, 33.2795, 41.7878 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 31.9052, 33.2795, 41.7878 by changing the saturation by 10% instead.

■ 31.9052, 33.2795,
41.7878

■ 31.9052, 33.2795,
41.7878

302.4401,
316.9073, 369.3762

■ 21.4443, 22.3406,
28.6108

■ 62.0286, 64.8117,
79.1450

■ 13.5635, 14.1074,
18.5436

■ 82.4219, 86.1737,
104.1623

■ 7.8973, 8.1954,
11.1675

106.8566,
111.7790, 133.9635

■ 4.0806, 4.2202,
6.0640

135.6982,
142.0119, 168.9670

■ 1.7478, 1.7975,
2.8146

169.3120,
177.2568, 209.5916

■ 0.4859, 0.4856,
1.0008

208.0634,

■ 0.0000, 0.0000,

217.8980, 256.2556

0.0000

252.3176,
264.3201, 309.3776

■ 31.9052, 33.2795,
41.7878

■ 31.9052, 33.2795,
41.7878

■ 26.9756, 27.7620,
40.9831

■ 37.5014, 39.4679,
42.6879

■ 22.6845, 22.8883,
40.2686

■ 43.7851, 46.3448,
43.6840

■ 19.0058, 18.6356,
39.6416

■ 50.7801, 53.9324,
44.7799

■ 15.9107, 14.9780,
39.0988

■ 58.5080, 62.2504,
45.9781

■ 13.3678, 11.8880,
38.6364

■ 66.9895, 71.3181,
47.2814

■ 11.3429, 9.3353,
38.2504

■ 76.2443, 81.1537,
48.6920

■ 9.7974, 7.2870,
37.9365

■ 80.7141, 88.8995,
49.9515

■ 8.6870, 5.7059,
37.6898

■ 84.0680, 95.6072,
51.0695

■ 7.9284, 4.5332,
37.5034

Harmonies

Analogous

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



30.9491, 33.2795, 41.4396



31.9052, 33.2795, 41.7878



32.8057, 33.2795, 40.5897

Triad

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



31.9052, 33.2795, 41.7878



33.1170, 33.2795, 33.0133



29.9263, 33.2795, 34.3036

Complementary

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



31.9052, 33.2795, 41.7878



35.0914, 37.1423, 35.0259

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.



30.4850, 33.2795, 32.2048



31.9052, 33.2795, 41.7878



32.3231, 33.2795, 31.4868

Square

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



31.9052, 33.2795, 41.7878



33.5146, 33.2795, 35.4588



31.3587, 33.2795, 31.1986



29.8196, 33.2795, 37.0239

Rectangle

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



31.9052, 33.2795, 41.7878



33.2487, 33.2795, 39.1097



31.3587, 33.2795, 31.1986



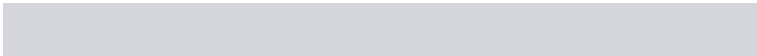
30.0670, 33.2795, 33.5061

Sweetspot

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



31.9062, 33.2809, 41.7885



64.3250, 67.5138, 76.8663



33.6288, 37.3519, 40.4335



13.8435, 14.5201, 16.7252



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.



31.9062, 33.2809, 41.7885



56.3132, 58.6281, 75.5734



31.9553, 32.3255, 41.6015



7.2786, 7.5942, 9.5005



5.9990, 3.4581, 28.3268



0.1853, 0.1627, 0.7023

Inverse Universe

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



33.3782, 33.1822, 36.0998



59.4261, 58.4433, 63.5377



35.0356, 38.1937, 35.2318



7.6052, 7.5720, 8.2384



12.5286, 6.4202, 2.3292



0.3247, 0.1641, 0.1611

Previews

White Background



This preview shows how the XYZ color 31.9052, 33.2795, 41.7878 looks on a white background.

Color Contrast Check

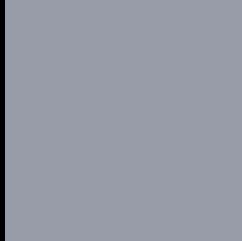
Large Text (above 18pt) WCAG AA × Fail

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 31.9052, 33.2795, 41.7878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

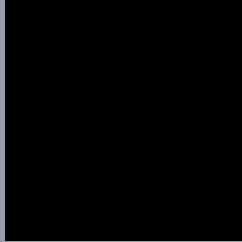
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9052, 33.2795, 41.7878

Background



This preview shows how black text looks on a background with the XYZ color 31.9052, 33.2795, 41.7878.

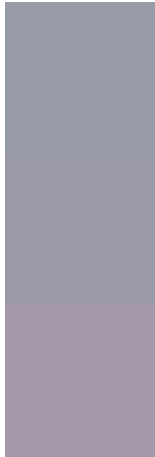


This preview shows how white text looks on a background with the XYZ color 31.9052, 33.2795,

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

31.9052, 33.2795, 41.7878

Protanopia

32.2140, 33.2013, 41.2698

Deuteranopia

33.9067, 33.3204, 42.1805



Tritanopia

31.9052, 33.2795, 41.7878

Trichromacy



Original Color

31.9052, 33.2795, 41.7878

Protanomaly

32.0228, 33.1027, 41.2609

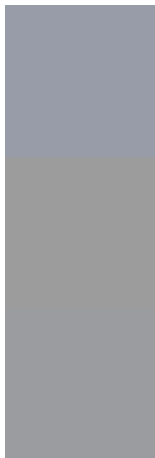
Deuteranomaly

33.0499, 33.1206, 42.1871

Tritanomaly

31.9052, 33.2795, 41.7878

Monochromacy



Original Color

31.9052, 33.2795, 41.7878

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.7512, 33.2836, 38.0086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9052, 33.2795, 41.7878 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(152, 156, 168)` looks like.

```
.text, #text, p{  
    color:rgb(152, 156, 168)  
}
```

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(152, 156, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 156, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.9052, 33.2795, 41.7878 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(152, 156, 168) }
```


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

```
.border{ border-color:rgb(152, 156, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 156, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 156, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 156, 168);  
box-shadow:4px 4px 4px 4px rgb(152, 156,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9052, 33.2795, 41.7878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 156, 168) }
```

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

```
.background{ background-color: rgb(152,  
156, 168) }
```

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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