

Converting Colors

XYZ(32.9692, 31.9519, 33.3200)

Have a look what the booklet for
XYZ(32.9692, 31.9519, 33.3200)
contains.

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Color

**XYZ(32.9520, 31.8401,
33.2632)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9396
RGB	172, 147, 150
RGB Percent	67%, 58%, 59%
CMY	0.3255, 0.4235, 0.4118
CMYK	0.00, 0.15, 0.13, 0.33
HSL	353°, 13%, 63%
HSV	353°, 15%, 67%
XYZ	32.9520, 31.8401, 33.2632
YIQ	154.8170, 13.9370, 6.2330

Conversions

Conversions Part 2

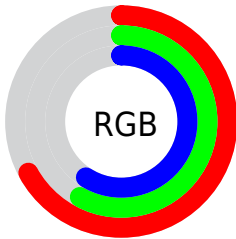
Format	Color
RYB	172, 147, 150
Decimal	11309974
CIELab	63.21, 9.83, 1.87
CIELCh	63, 10.003, 10.779
Yxy	31.8401, 0.3361, 0.3247
Android (android.graphics.Color)	4289500054 (0xFFAC9396)
YUV	154.8170, -2.3748, 15.0695
Hunter-Lab	56.4270, 5.4923, 4.5480

Details

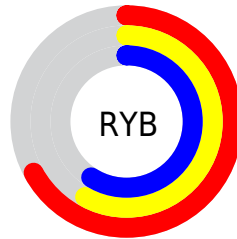
The XYZ color **32.9520, 31.8401, 33.2632** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.9478, 38.5734, 43.1941**, and the grayscale version is **31.0814, 32.7000, 35.6104**.

A 20% lighter version of the original color is **63.7806, 62.6269, 65.8533**, and **14.0428, 13.1885, 13.6099** is the 20% darker color. If you saturate the color by 10%, you get **29.3336, 26.4294, 26.4266**, and if you desaturate by 10%, it is **37.1296, 38.1165, 41.0640**.

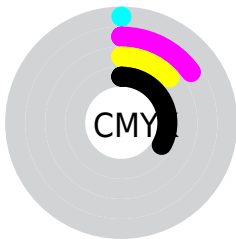
Distribution



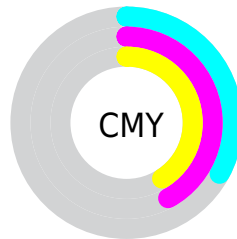
- Red (67%)
- Green (58%)
- Blue (59%)



- Red (67%)
- Yellow (58%)
- Blue (59%)



- Cyan (0%)
- Magenta (15%)
- Yellow (13%)
- Black (33%)





- Cyan (33%)
- Magenta (42%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9520, 31.8401, 33.2632 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 32.9520, 31.8401, 33.2632 by changing the saturation by 10% instead.


 32.9520, 31.8401,
33.2632


 32.9520, 31.8401,
33.2632


307.1022,
310.3902, 331.5024

 22.2487, 21.2394,
22.0554


 63.6558, 62.5603,
65.9070

 14.1574, 13.2991,
13.6989


 84.3870, 83.4486,
88.1800

 8.3127, 7.6348,
7.7752

109.1915,
108.5350, 114.9785

 4.3491, 3.8622,
3.8657

138.4348,
138.2037, 146.7211

 1.9015, 1.5968,
1.5520

172.4822,
172.8391, 183.8262

 0.5777, 0.3554,
0.2562

211.6989,

 0.0000, 0.0000,

212.8258, 226.7124

0.0000

256.4505,
258.5480, 275.7983

■ 32.9520, 31.8401,
33.2632

■ 32.9520, 31.8401,
33.2632

■ 29.3336, 26.4294,
26.4266

■ 37.1296, 38.1165,
41.0640

■ 26.2480, 21.8422,
20.5146

■ 41.8861, 45.2897,
49.8622

■ 23.6708, 18.0396,
15.4881

■ 47.2432, 53.3947,
59.6922

■ 21.5744, 14.9774,
11.3043

■ 53.2210, 62.4631,
70.5859

■ 19.9289, 12.6073,
7.9169

■ 59.8386, 72.5251,
82.5739

■ 18.7007, 10.8751,
5.2748

■ 67.1142, 83.6098,
95.6857

■ 17.8516, 9.7187,
3.3214

■ 70.8234, 87.5107,
107.7662

■ 17.3360, 9.0631,
1.9915

■ 17.1453, 8.8235,
1.4907

Harmonies

Analogous

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



32.8449, 31.8401, 37.2373



32.9520, 31.8401, 33.2632



32.3223, 31.8401, 29.9271

Triad

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



32.9520, 31.8401, 33.2632



28.5588, 31.8401, 29.2139



29.3958, 31.8401, 42.3706

Complementary

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



32.9520, 31.8401, 33.2632



33.9478, 38.5734, 43.1941

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.



28.2932, 31.8401, 39.8858



32.9520, 31.8401, 33.2632



27.8202, 31.8401, 32.2205

Square

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



32.9520, 31.8401, 33.2632



29.7683, 31.8401, 27.7105



27.7245, 31.8401, 36.1127



30.7632, 31.8401, 42.7033

Rectangle

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



32.9520, 31.8401, 33.2632



31.5803, 31.8401, 28.4360



27.7245, 31.8401, 36.1127



28.9830, 31.8401, 41.7509

Sweetspot

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



32.9529, 31.8415, 33.2639



67.7326, 69.7122, 75.1912



34.1718, 32.2456, 43.4530



14.5903, 14.9550, 16.1001



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.



32.9529, 31.8415, 33.2639



57.8614, 54.8893, 56.7348



34.1971, 34.7113, 32.5031



8.0429, 8.0304, 8.5365



12.7701, 6.5706, 1.1691



0.3673, 0.1876, 0.0959

Inverse Universe

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



32.9529, 31.8415, 33.2639



57.8614, 54.8893, 56.7348



32.5478, 35.3179, 44.1317



8.0429, 8.0304, 8.5365



12.7701, 6.5706, 1.1691



0.3673, 0.1876, 0.0959

Previews

White Background



This preview shows how the XYZ color 32.9520, 31.8401, 33.2632 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 32.9520, 31.8401, 33.2632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

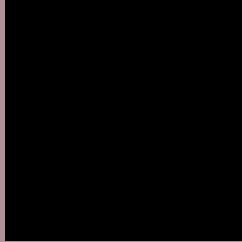
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9520, 31.8401, 33.2632

Background



This preview shows how black text looks on a background with the XYZ color 32.9520, 31.8401, 33.2632.



This preview shows how white text looks on a background with the XYZ color 32.9520, 31.8401,

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

32.9520, 31.8401, 33.2632

Protanopia

30.6883, 31.8243, 34.6622

Deuteranopia

32.4571, 31.8168, 33.2847



Tritanopia

33.5983, 31.8763, 36.2802

Trichromacy



Original Color

32.9520, 31.8401, 33.2632

Protanomaly

31.4741, 31.7611, 34.1774

Deuteranomaly

32.6725, 31.9279, 33.2948

Tritanomaly

33.3452, 31.7751, 34.9476

Monochromacy



Original Color

32.9520, 31.8401, 33.2632

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.6759, 32.3334, 34.7085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9520, 31.8401, 33.2632 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, 147, 150)` looks like.

```
.text, #text, p{  
    color:rgb(172, 147, 150)  
}
```

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, 147, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 147, 150) }
```

Border

The CSS property to change the border of an element to XYZ 32.9520, 31.8401, 33.2632 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, 147, 150) }
```


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

```
.border{ border-color:rgb(172, 147, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 147, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 147, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 147, 150);  
box-shadow:4px 4px 4px 4px rgb(172, 147,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9520, 31.8401, 33.2632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 147, 150) }
```

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

```
.background{ background-color: rgb(172,  
147, 150) }
```

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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