

Converting Colors

XYZ(33.0624, 31.9813, 34.0082)

Have a look what the booklet for
XYZ(33.0624, 31.9813, 34.0082)
contains.

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Color

**XYZ(33.1145, 31.9051,
34.1187)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9398
RGB	172, 147, 152
RGB Percent	67%, 58%, 60%
CMY	0.3255, 0.4235, 0.4039
CMYK	0.00, 0.15, 0.12, 0.33
HSL	348°, 13%, 63%
HSV	348°, 15%, 67%
XYZ	33.1145, 31.9051, 34.1187
YIQ	155.0450, 13.2950, 6.8550

Conversions

Conversions Part 2

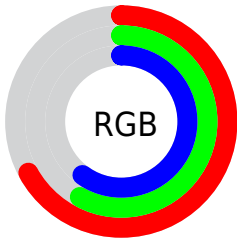
Format	Color
RYB	172, 147, 152
Decimal	11309976
CIELab	63.26, 10.17, 0.82
CIELCh	63, 10.204, 4.602
Yxy	31.9051, 0.3340, 0.3218
Android (android.graphics.Color)	4289500056 (0xFFAC9398)
YUV	155.0450, -1.5012, 14.8695
Hunter-Lab	56.4846, 5.7989, 3.7260

Details

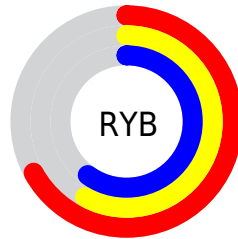
The XYZ color **33.1145, 31.9051, 34.1187** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.7615, 38.4990, 42.2128**, and the grayscale version is **31.1787, 32.8024, 35.7218**.

A 20% lighter version of the original color is **64.0221, 62.7235, 67.1250**, and **14.1396, 13.2273, 14.1198** is the 20% darker color. If you saturate the color by 10%, you get **29.5748, 26.5259, 27.6969**, and if you desaturate by 10%, it is **37.1867, 38.1393, 41.3641**.

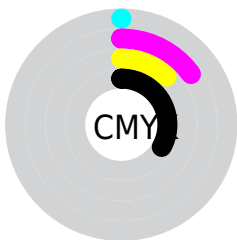
Distribution



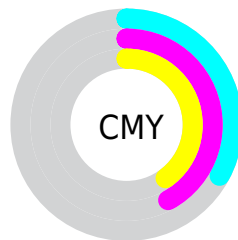
- Red (67%)
- Green (58%)
- Blue (60%)



- Red (67%)
- Yellow (58%)
- Blue (60%)



- Cyan (0%)
- Magenta (15%)
- Yellow (12%)
- Black (33%)





- Cyan (33%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1145, 31.9051, 34.1187 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 33.1145, 31.9051, 34.1187 by changing the saturation by 10% instead.


 33.1145, 31.9051,
34.1187


 33.1145, 31.9051,
34.1187


307.8212,
310.6867, 335.4463

 22.3738, 21.2890,
22.7067


 63.9077, 62.6623,
67.2542

 14.2500, 13.3354,
14.1738


 84.6910, 83.5722,
89.8148

 8.3776, 7.6599,
8.1015


109.5525,
108.6821, 116.9287

 4.3913, 3.8781,
4.0713

138.8576,
138.3766, 149.0144

 1.9258, 1.6056,
1.6645

172.9717,
173.0398, 186.4905

 0.5918, 0.3614,
0.3363

212.2601,

 0.0000, 0.0000,

213.0564, 229.7755

0.0000

257.0882,
258.8105, 279.2879

■ 33.1145, 31.9051,
34.1187

■ 33.1145, 31.9051,
34.1187

■ 29.5748, 26.5259,
27.6969

■ 37.1867, 38.1393,
41.3641

■ 26.5429, 21.9602,
22.0672

■ 41.8095, 45.2591,
49.4588

■ 23.9957, 18.1696,
17.1993

■ 47.0036, 53.2989,
58.4301

■ 21.9079, 15.1107,
13.0599

■ 52.7877, 62.2897,
68.3034

■ 20.2511, 12.7361,
9.6135

■ 59.1795, 72.2615,
79.1028

■ 18.9944, 10.9926,
6.8211

■ 66.1963, 83.2427,
90.8519

■ 18.1021, 9.8189,
4.6401

■ 69.7686, 87.0888,
102.2113

■ 17.5318, 9.1414,
3.0221

■ 70.8235, 87.5108,
107.7662

■ 17.3077, 8.8885,
2.3459

Harmonies

Analogous

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



32.8460, 31.9051, 38.1847



33.1145, 31.9051, 34.1187



32.6167, 31.9051, 30.5052

Triad

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



33.1145, 31.9051, 34.1187



28.8080, 31.9051, 28.7199



29.1744, 31.9051, 42.2532

Complementary

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



33.1145, 31.9051, 34.1187



33.7615, 38.4990, 42.2128

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.



28.1430, 31.9051, 39.3479



33.1145, 31.9051, 34.1187



27.9361, 31.9051, 31.5075

Square

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



33.1145, 31.9051, 34.1187



30.1074, 31.9051, 27.5460



27.6964, 31.9051, 35.3672



30.5433, 31.9051, 43.0870

Rectangle

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



33.1145, 31.9051, 34.1187



31.9261, 31.9051, 28.7746



27.6964, 31.9051, 35.3672



28.7781, 31.9051, 41.4760

Sweetspot

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



33.1154, 31.9065, 34.1194



67.8260, 69.7495, 75.6828



33.8175, 32.0630, 43.4366



14.6141, 14.9646, 16.2252



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.



33.1154, 31.9065, 34.1194



58.2005, 55.0249, 58.5203



33.9191, 34.1551, 32.4103



8.0683, 8.0406, 8.6703



12.8959, 6.6209, 1.8316



0.3773, 0.1916, 0.1488

Inverse Universe

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



33.1154, 31.9065, 34.1194



58.2005, 55.0249, 58.5203



32.8453, 35.9129, 44.2309



8.0683, 8.0406, 8.6703



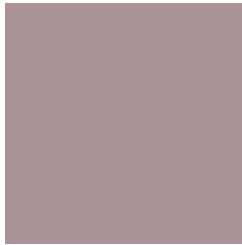
12.8959, 6.6209, 1.8316



0.3773, 0.1916, 0.1488

Previews

White Background



This preview shows how the XYZ color 33.1145, 31.9051, 34.1187 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 33.1145, 31.9051, 34.1187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

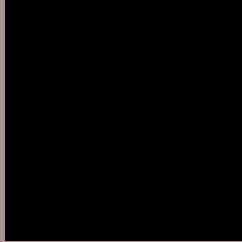
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1145, 31.9051, 34.1187

Background



This preview shows how black text looks on a background with the XYZ color 33.1145, 31.9051, 34.1187.



This preview shows how white text looks on a background with the XYZ color 33.1145, 31.9051,

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

33.1145, 31.9051, 34.1187

Protanopia

30.6622, 31.7916, 35.5307

Deuteranopia

32.6196, 31.8818, 34.1403



Tritanopia

33.6840, 31.9106, 36.7318

Trichromacy



Original Color

33.1145, 31.9051, 34.1187

Protanomaly

31.4370, 31.7229, 35.0381

Deuteranomaly

32.8350, 31.9929, 34.1504

Tritanomaly

33.5132, 31.8423, 35.8323

Monochromacy



Original Color

33.1145, 31.9051, 34.1187

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.7589, 32.3666, 35.1454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1145, 31.9051, 34.1187 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(172, 147, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 147, 152) }
```

Border

The CSS property to change the border of an element to XYZ 33.1145, 31.9051, 34.1187 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, 152) }
```


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

```
.border{ border-color:rgb(172, 147, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 147, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 147, 152);  
box-shadow:4px 4px 4px 4px rgb(172, 147,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1145, 31.9051, 34.1187 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, 152) }
```

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

```
.background{ background-color: rgb(172,  
147, 152) }
```

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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