

Converting Colors

XYZ(31.2202, 26.9197, 39.1411)

Have a look what the booklet for
XYZ(31.2202, 26.9197, 39.1411)
contains.

XYZ(31.2194, 26.9632, 39.1563)	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(31.2194, 26.9632,
39.1563)**

Conversions

Conversions Part 1

Format	Color
Hex	AA81A5
RGB	170, 129, 165
RGB Percent	67%, 51%, 65%
CMY	0.3333, 0.4941, 0.3529
CMYK	0.00, 0.24, 0.03, 0.33
HSL	307°, 19%, 59%
HSV	307°, 24%, 67%
XYZ	31.2194, 26.9632, 39.1563
YIQ	145.3630, 12.8800, 19.8880

Conversions

Conversions Part 2

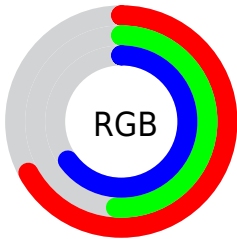
Format	Color
RYB	170, 129, 165
Decimal	11174309
CIELab	58.94, 21.97, -13.02
CIELCh	59, 25.533, 329.346
Yxy	26.9632, 0.3207, 0.2770
Android (android.graphics.Color)	4289364389 (0xFFAA81A5)
YUV	145.3630, 9.6810, 21.6066
Hunter-Lab	51.9261, 16.4484, -8.3610

Details

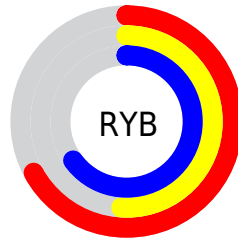
The XYZ color **31.2194, 26.9632, 39.1563** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.7322, 35.1387, 27.8767**, and the grayscale version is **27.0202, 28.4273, 30.9573**.

A 20% lighter version of the original color is **61.0102, 54.7920, 75.0705**, and **13.1127, 10.5661, 16.9711** is the 20% darker color. If you saturate the color by 10%, you get **28.9768, 22.7771, 37.4854**, and if you desaturate by 10%, it is **33.8393, 31.8980, 40.9687**.

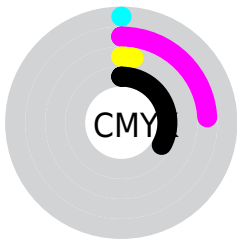
Distribution



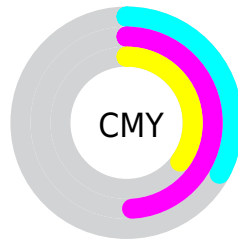
- Red (67%)
- Green (51%)
- Blue (65%)



- Red (67%)
- Yellow (51%)
- Blue (65%)



- Cyan (0%)
- Magenta (24%)
- Yellow (3%)
- Black (33%)





- Cyan (33%)
- Magenta (49%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2194, 26.9632, 39.1563 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 31.2194, 26.9632, 39.1563 by changing the saturation by 10% instead.


 31.2194, 26.9632,
39.1563


 31.2194, 26.9632,
39.1563


299.3567,
287.4789, 358.0003


 20.9186, 17.5456,
26.5726

 60.9588, 54.8248,
75.1000

 13.1766, 10.6242,
17.0229


 81.1282, 74.0376,
99.2971

 7.6281, 5.8148,
10.0887


 105.3178, 97.2842,
128.2023

 3.9077, 2.7328,
5.3514

133.8929,
124.9491, 162.2343

 1.6501, 0.9939,
2.3926

167.2191,
157.4166, 201.8115

 0.4247, 0.0000,
0.7824

205.6615,

 0.0000, 0.0000,

195.0712, 247.3526

0.0000

249.5856,
238.2971, 299.2760

■ 31.2194, 26.9632,
39.1563

■ 31.2194, 26.9632,
39.1563

■ 28.9768, 22.7771,
37.4854

■ 33.8393, 31.8980,
40.9687

■ 27.0905, 19.2993,
35.9480

■ 36.8511, 37.6122,
42.9265

■ 25.5414, 16.4911,
34.5380

■ 40.2718, 44.1392,
45.0359

■ 24.3076, 14.3084,
33.2479

■ 44.1165, 51.5093,
47.3020

■ 23.3643, 12.7021,
32.0695

■ 48.3997, 59.7513,
49.7296

■ 22.6833, 11.6156,
30.9933

■ 53.1350, 68.8926,
52.3233

■ 22.2307, 10.9810,
30.0078

■ 58.3356, 78.9595,
55.0877

■ 22.0239, 10.7246,
29.4547

■ 60.7389, 83.4266,
56.9351

■ 60.9542, 83.5127,
58.0689

Harmonies

Analogous

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



28.7230, 26.9632, 47.2932



31.2194, 26.9632, 39.1563



32.1976, 26.9632, 29.5573

Triad

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



31.2194, 26.9632, 39.1563



25.6971, 26.9632, 15.1670



20.6869, 26.9632, 38.7411

Complementary

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



31.2194, 26.9632, 39.1563



27.7322, 35.1387, 27.8767

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.



20.0185, 26.9632, 29.1603



31.2194, 26.9632, 39.1563



22.7632, 26.9632, 16.6502

Square

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



31.2194, 26.9632, 39.1563



28.8528, 26.9632, 16.7866



20.7471, 26.9632, 21.3485



22.6524, 26.9632, 47.0209

Rectangle

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



31.2194, 26.9632, 39.1563



31.8002, 26.9632, 23.9617



20.7471, 26.9632, 21.3485



20.3106, 26.9632, 35.5100

Sweetspot

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



31.2202, 26.9644, 39.1569



65.1392, 64.9680, 76.7864



24.9042, 23.6547, 41.2840



14.4552, 14.3530, 17.0779



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.



31.2202, 26.9644, 39.1569



54.3603, 44.6492, 69.3734



29.5178, 26.2834, 30.1923



7.8019, 7.6506, 9.2742



16.2146, 7.8945, 21.7393



0.4052, 0.1963, 0.5850

Inverse Universe

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



31.2202, 26.9644, 39.1569



54.3603, 44.6492, 69.3734



29.2854, 35.7600, 36.0556



7.8019, 7.6506, 9.2742



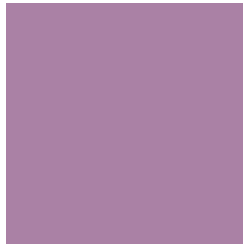
16.2146, 7.8945, 21.7393



0.4052, 0.1963, 0.5850

Previews

White Background



This preview shows how the XYZ color 31.2194, 26.9632, 39.1563 looks on a white background.

Color Contrast Check

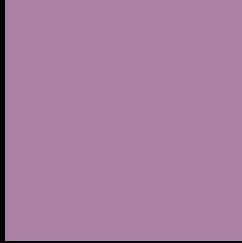
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2194, 26.9632, 39.1563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

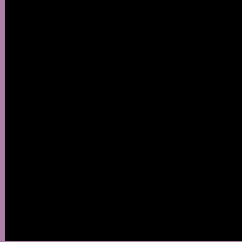
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2194, 26.9632, 39.1563

Background



This preview shows how black text looks on a background with the XYZ color 31.2194, 26.9632, 39.1563.



This preview shows how white text looks on a background with the XYZ color 31.2194, 26.9632,

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

31.2194, 26.9632, 39.1563

Protanopia

27.0594, 27.2178, 43.3625

Deuteranopia

27.6975, 27.2206, 38.4446



Tritanopia

29.2818, 26.9737, 29.6497

Trichromacy



Original Color

31.2194, 26.9632, 39.1563

Protanomaly

28.4141, 27.0895, 41.7614

Deuteranomaly

28.8824, 26.9768, 38.8067

Tritanomaly

29.9856, 27.0617, 32.9212

Monochromacy



Original Color

31.2194, 26.9632, 39.1563

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.2265, 27.6023, 33.5458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2194, 26.9632, 39.1563 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(170, 129, 165)` looks like.

```
.text, #text, p{  
    color:rgb(170, 129, 165)  
}
```

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(170, 129, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 129, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.2194, 26.9632, 39.1563 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(170, 129, 165) }
```


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

```
.border{ border-color:rgb(170, 129, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 129, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 129, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 129, 165);  
box-shadow:4px 4px 4px 4px rgb(170, 129,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2194, 26.9632, 39.1563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 129, 165) }
```

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

```
.background{ background-color: rgb(170,  
129, 165) }
```

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