

Converting Colors

XYZ(31.6389, 29.2917, 39.1009)

Have a look what the booklet for
XYZ(31.6389, 29.2917, 39.1009)
contains.

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Color

**XYZ(31.6593, 29.2526,
39.0996)**

Conversions

Conversions Part 1

Format	Color
Hex	A68BA4
RGB	166, 139, 164
RGB Percent	65%, 55%, 64%
CMY	0.3490, 0.4549, 0.3569
CMYK	0.00, 0.16, 0.01, 0.35
HSL	304°, 13%, 60%
HSV	304°, 16%, 65%
XYZ	31.6593, 29.2526, 39.0996
YIQ	149.9230, 8.0670, 13.4990

Conversions

Conversions Part 2

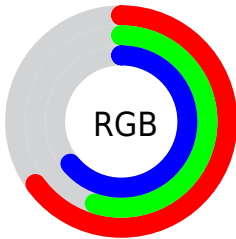
Format	Color
R _Y B	166, 139, 164
Decimal	10914724
CIE Lab	61.00, 14.68, -9.39
CIE LCh	61, 17.430, 327.397
Yxy	29.2526, 0.3166, 0.2925
Android (android.graphics.Color)	4289104804 (0xFFA68BA4)
YUV	149.9230, 6.9400, 14.0995
Hunter-Lab	54.0857, 9.8359, -5.0019

Details

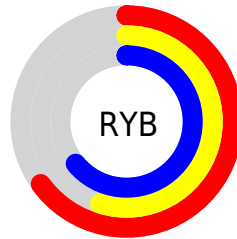
The XYZ color **31.6593, 29.2526, 39.0996** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **29.0925, 34.6852, 30.3625**, and the grayscale version is **28.9266, 30.4331, 33.1416**.

A 20% lighter version of the original color is **61.6749, 58.6266, 75.0833**, and **13.4364, 11.8920, 16.9164** is the 20% darker color. If you saturate the color by 10%, you get **29.3257, 24.7617, 37.7767**, and if you desaturate by 10%, it is **34.3607, 34.4764, 40.5510**.

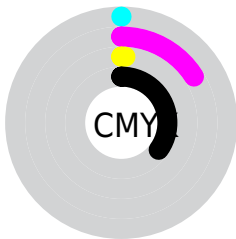
Distribution



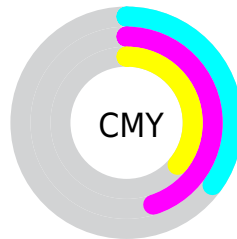
- Red (65%)
- Green (55%)
- Blue (64%)



- Red (65%)
- Yellow (55%)
- Blue (64%)



- Cyan (0%)
- Magenta (16%)
- Yellow (1%)
- Black (35%)



- Cyan (35%)
- Magenta (45%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6593, 29.2526, 39.0996 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 31.6593, 29.2526, 39.0996 by changing the saturation by 10% instead.

■ 31.6593, 29.2526,
39.0996

■ 31.6593, 29.2526,
39.0996

301.3373,
298.4049, 357.7524

■ 21.2557, 19.2720,
26.5288

■ 61.6454, 58.4782,
75.0125

■ 13.4246, 11.8670,
16.9903

■ 81.9586, 78.4919,
99.1916

■ 7.8005, 6.6532,
10.0657

■ 106.3057,
102.6189, 128.0773

■ 4.0183, 3.2462,
5.3364

135.0521,
131.2434, 162.0880

■ 1.7125, 1.2616,
2.3838

168.5631,
164.7498, 201.6423

■ 0.4641, 0.1111,
0.7776

207.2040,

■ 0.0000, 0.0000,

203.5226, 247.1588

0.0000

251.3403,
247.9462, 299.0560

■ 31.6593, 29.2526,
39.0996

■ 31.6593, 29.2526,
39.0996

■ 29.3257, 24.7617,
37.7767

■ 34.3607, 34.4764,
40.5510

■ 27.3408, 20.9671,
36.5751

■ 37.4427, 40.4600,
42.1343

■ 25.6879, 17.8348,
35.4894

■ 40.9206, 47.2338,
43.8548

■ 24.3477, 15.3263,
34.5131

■ 44.8081, 54.8250,
45.7173

■ 23.2992, 13.3993,
33.6394

■ 49.1184, 63.2600,
47.7260

■ 22.5185, 12.0062,
32.8601

■ 53.8638, 72.5635,
49.8851

■ 21.9780, 11.0919,
32.1661

■ 58.9911, 82.6291,
52.1769

■ 21.6397, 10.5803,
31.5447

■ 59.1103, 82.6768,
52.8048

■ 21.5341, 10.4303,
31.3207

■ 59.2306, 82.7249,
53.4384

Harmonies

Analogous

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



29.8684, 29.2526, 44.3371



31.6593, 29.2526, 39.0996



32.4129, 29.2526, 32.4242

Triad

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



31.6593, 29.2526, 39.0996



28.0031, 29.2526, 20.8913



24.0933, 29.2526, 37.9792

Complementary

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



31.6593, 29.2526, 39.0996



29.0925, 34.6852, 30.3625

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.



23.6536, 29.2526, 31.2848



31.6593, 29.2526, 39.0996



25.8365, 29.2526, 21.9614

Square

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



31.6593, 29.2526, 39.0996



30.2312, 29.2526, 22.4090



24.2746, 29.2526, 25.5588



25.5098, 29.2526, 43.6306

Rectangle

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



31.6593, 29.2526, 39.0996



32.1964, 29.2526, 28.2457



24.2746, 29.2526, 25.5588



23.8299, 29.2526, 35.7509

Sweetspot

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



31.6602, 29.2539, 39.1002



62.9791, 63.7691, 73.9192



27.0674, 26.8652, 39.8356



14.0133, 14.1148, 16.4998



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.



31.6602, 29.2539, 39.1002



55.6401, 49.5857, 69.9483



30.5210, 28.7982, 33.1017



7.8176, 7.6569, 9.3565



16.7060, 8.0911, 24.3269



0.4133, 0.1996, 0.6279

Inverse Universe

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



31.6602, 29.2539, 39.1002



55.6401, 49.5857, 69.9483



30.1424, 35.1052, 35.8913



7.8176, 7.6569, 9.3565



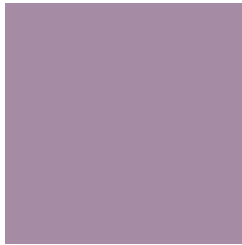
16.7060, 8.0911, 24.3269



0.4133, 0.1996, 0.6279

Previews

White Background



This preview shows how the XYZ color 31.6593, 29.2526, 39.0996 looks on a white background.

Color Contrast Check

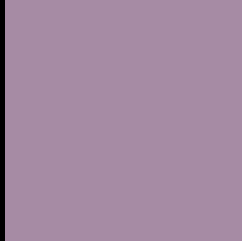
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6593, 29.2526, 39.0996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

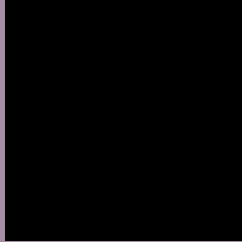
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6593, 29.2526, 39.0996

Background



This preview shows how black text looks on a background with the XYZ color 31.6593, 29.2526, 39.0996.



This preview shows how white text looks on a background with the XYZ color 31.6593, 29.2526,

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

31.6593, 29.2526, 39.0996

Protanopia

28.9419, 29.3516, 41.6761

Deuteranopia

29.7597, 29.1593, 38.7101



Tritanopia

30.5022, 29.2093, 33.7361

Trichromacy



Original Color

31.6593, 29.2526, 39.0996

Protanomaly

29.7464, 29.1103, 40.6103

Deuteranomaly

30.3844, 29.2594, 38.6965

Tritanomaly

30.8959, 29.1558, 35.4517

Monochromacy



Original Color

31.6593, 29.2526, 39.0996

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.9056, 29.9922, 35.2232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6593, 29.2526, 39.0996 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(166, 139, 164)` looks like.

```
.text, #text, p{  
    color:rgb(166, 139, 164)  
}
```

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(166, 139, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 139, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.6593, 29.2526, 39.0996 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(166, 139, 164) }
```


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

```
.border{ border-color:rgb(166, 139, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 139, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 139, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 139, 164);  
box-shadow:4px 4px 4px 4px rgb(166, 139,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6593, 29.2526, 39.0996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 139, 164) }
```

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

```
.background{ background-color: rgb(166,  
139, 164) }
```

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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