

Converting Colors

XYZ(32.8999, 39.8753, 29.1324)

Have a look what the booklet for
XYZ(32.8999, 39.8753, 29.1324)
contains.

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Color

**XYZ(32.9286, 39.8012,
29.2394)**

Conversions

Conversions Part 1

Format	Color
Hex	97B188
RGB	151, 177, 136
RGB Percent	59%, 69%, 53%
CMY	0.4078, 0.3059, 0.4667
CMYK	0.15, 0.00, 0.23, 0.31
HSL	98°, 21%, 61%
HSV	98°, 23%, 69%
XYZ	32.9286, 39.8012, 29.2394
YIQ	164.5520, -2.3350, -18.2630

Conversions

Conversions Part 2

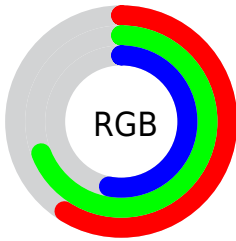
Format	Color
RYB	136, 177, 162
Decimal	9941384
CIELab	69.33, -16.62, 18.08
CIElCh	69, 24.564, 132.591
Yxy	39.8012, 0.3229, 0.3903
Android (android.graphics.Color)	4288131464 (0xFF97B188)
YUV	164.5520, -14.0761, -11.8851
Hunter-Lab	63.0882, -17.2371, 16.6827

Details

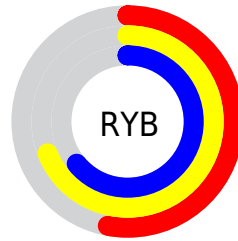
The XYZ color **32.9286, 39.8012, 29.2394** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.6419, 28.4651, 45.4237**, and the grayscale version is **35.6166, 37.4715, 40.8064**.

A 20% lighter version of the original color is **63.7778, 75.0738, 59.2733**, and **14.1429, 17.7965, 11.4938** is the 20% darker color. If you saturate the color by 10%, you get **29.7883, 38.3171, 23.0594**, and if you desaturate by 10%, it is **36.4772, 41.4742, 36.5246**.

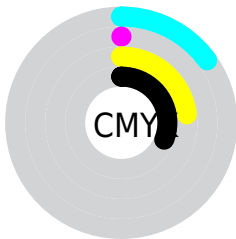
Distribution



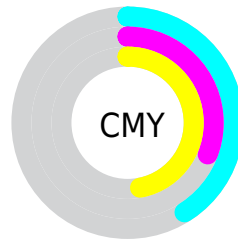
- Red (59%)
- Green (69%)
- Blue (53%)



- Red (53%)
- Yellow (69%)
- Blue (64%)



- Cyan (15%)
- Magenta (0%)
- Yellow (23%)
- Black (31%)





- Cyan (41%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9286, 39.8012, 29.2394 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 32.9286, 39.8012, 29.2394 by changing the saturation by 10% instead.


 32.9286, 39.8012,
29.2394


 32.9286, 39.8012,
29.2394


306.9986,
345.2849, 312.4390


 22.2307, 27.3836,
19.0149


 63.6195, 74.8607,
59.5039

 14.1441, 17.8615,
11.5041


 84.3432, 98.2714,
80.3810

 8.3033, 10.8506,
6.2886

 109.1395,
126.1151, 105.6461

 4.3431, 5.9665,
2.9497

138.3739,
158.7765, 135.7175

 1.8980, 2.8247,
1.0690

172.4116,
196.6397, 171.0141

 0.5757, 1.0409,
0.0000

211.6181,

 0.0000, 0.0000,

240.0893, 211.9541

0.0000

256.3586,
289.5096, 258.9563

■ 32.9286, 39.8012,
29.2394

■ 32.9286, 39.8012,
29.2394

■ 29.7883, 38.3171,
23.0594

■ 36.4772, 41.4742,
36.5246

■ 27.0375, 37.0097,
17.9281

■ 40.4457, 43.3374,
44.9627

■ 24.6603, 35.8733,
13.7880

■ 44.8491, 45.3987,
54.6016

■ 22.6386, 34.9002,
10.5747

■ 49.7009, 47.6640,
65.4859

■ 20.9524, 34.0814,
8.2165

■ 55.0137, 50.1389,
77.6578

■ 19.5795, 33.4073,
6.6312

■ 60.7998, 52.8289,
91.1576

■ 18.4941, 32.8667,
5.7202

■ 66.2709, 55.4192,
101.8119

■ 17.8864, 32.5612,
5.3422

■ 69.9816, 57.3322,
101.9855

■ 73.9284, 59.3668,
102.1702

Harmonies

Analogous

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



36.2015, 39.8012, 25.4159



32.9286, 39.8012, 29.2394



31.0485, 39.8012, 37.1610

Triad

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



32.9286, 39.8012, 29.2394



35.6071, 39.8012, 67.5253



45.7199, 39.8012, 38.7749

Complementary

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



32.9286, 39.8012, 29.2394



31.6419, 28.4651, 45.4237

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.



45.5330, 39.8012, 50.1614



32.9286, 39.8012, 29.2394



39.5063, 39.8012, 68.1622

Square

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



32.9286, 39.8012, 29.2394



32.5195, 39.8012, 59.7501



43.1948, 39.8012, 61.3630



43.6889, 39.8012, 30.2434

Rectangle

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



32.9286, 39.8012, 29.2394



30.7519, 39.8012, 44.3254



43.1948, 39.8012, 61.3630



45.9182, 39.8012, 42.3629

Sweetspot

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



32.9296, 39.8029, 29.2403



69.5307, 76.2504, 74.2938



35.4915, 36.9553, 28.5556



14.9793, 16.4829, 15.9107



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.9296, 39.8029, 29.2403



55.8949, 69.8276, 46.2441



30.7192, 38.6173, 31.2173



8.6728, 9.6364, 9.0554



13.0204, 23.6223, 3.8733



0.4752, 0.7770, 0.1249

Inverse Universe

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



31.6419, 28.4651, 45.4237



53.1629, 45.8028, 80.5341



34.3388, 29.9171, 42.7618



8.5426, 8.4882, 10.6945



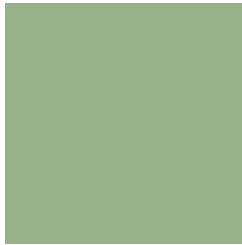
10.6828, 4.8430, 30.5087



0.3975, 0.1840, 0.9628

Previews

White Background



This preview shows how the XYZ color 32.9286, 39.8012, 29.2394 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 32.9286, 39.8012, 29.2394 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 32.9286, 39.8012, 29.2394

Background



This preview shows how black text looks on a background with the XYZ color 32.9286, 39.8012, 29.2394.



This preview shows how white text looks on a background with the XYZ color 32.9286, 39.8012,

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

32.9286, 39.8012, 29.2394

Protanopia

37.1752, 39.7452, 27.5420

Deuteranopia

40.3455, 39.4405, 29.9124



Tritanopia

37.3152, 39.8556, 51.0736

Trichromacy



Original Color

32.9286, 39.8012, 29.2394

Protanomaly

35.3483, 39.6335, 27.9773

Deuteranomaly

37.2286, 39.1757, 29.6443

Tritanomaly

35.4362, 39.6457, 42.3439

Monochromacy



Original Color

32.9286, 39.8012, 29.2394

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.5179, 38.1826, 36.1225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9286, 39.8012, 29.2394 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(151, 177, 136)` looks like.

```
.text, #text, p{  
    color:rgb(151, 177, 136)  
}
```

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(151, 177, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 177, 136) }
```

Border

The CSS property to change the border of an element to XYZ 32.9286, 39.8012, 29.2394 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(151, 177, 136) }
```


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

```
.border{ border-color:rgb(151, 177, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 177, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 177, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 177, 136);  
box-shadow:4px 4px 4px 4px rgb(151, 177,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9286, 39.8012, 29.2394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 177, 136) }
```

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

```
.background{ background-color: rgb(151,  
177, 136) }
```

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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