

Converting Colors

XYZ(29.9060, 32.9832, 33.4515)

Have a look what the booklet for
XYZ(29.9060, 32.9832, 33.4515)
contains.

XYZ(29.9446, 32.9516, 33.6362)	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(29.9446, 32.9516,
33.6362)**

Conversions

Conversions Part 1

Format	Color
Hex	949E96
RGB	148, 158, 150
RGB Percent	58%, 62%, 59%
CMY	0.4196, 0.3804, 0.4118
CMYK	0.06, 0.00, 0.05, 0.38
HSL	132°, 5%, 60%
HSV	132°, 6%, 62%
XYZ	29.9446, 32.9516, 33.6362
YIQ	154.0980, -3.3920, -4.6080

Conversions

Conversions Part 2

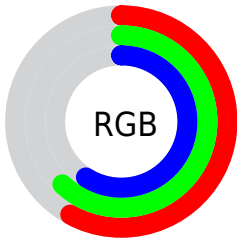
Format	Color
RYB	148, 156, 158
Decimal	9739926
CIELab	64.12, -5.13, 2.94
CIELCh	64, 5.912, 150.179
Yxy	32.9516, 0.3102, 0.3414
Android (android.graphics.Color)	4287930006 (0xFF949E96)
YUV	154.0980, -2.0203, -5.3479
Hunter-Lab	57.4035, -7.3413, 5.4408

Details

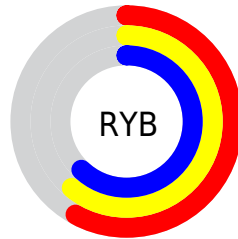
The XYZ color **29.9446, 32.9516, 33.6362** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.6924, 30.8500, 35.7910**, and the grayscale version is **30.7686, 32.3709, 35.2519**.

A 20% lighter version of the original color is **59.0505, 64.5047, 66.4651**, and **12.4396, 13.9576, 13.8428** is the 20% darker color. If you saturate the color by 10%, you get **26.3159, 31.1932, 28.4365**, and if you desaturate by 10%, it is **34.0752, 34.9579, 39.4340**.

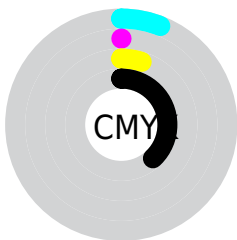
Distribution



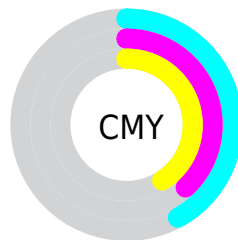
- Red (58%)
- Green (62%)
- Blue (59%)



- Red (58%)
- Yellow (61%)
- Blue (62%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (38%)



- Cyan (42%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9446, 32.9516, 33.6362 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 29.9446, 32.9516, 33.6362 by changing the saturation by 10% instead.

■ 29.9446, 32.9516,
33.6362

■ 29.9446, 32.9516,
33.6362

293.5606,
315.4316, 333.2263

■ 19.9444, 22.0894,
22.3392

■ 58.9618, 64.3000,
66.4949

■ 12.4627, 13.9226,
13.9056

■ 78.7095, 85.5549,
88.8937

■ 7.1340, 8.0668,
7.9171

102.4371,
111.0428, 115.8302

■ 3.5931, 4.1377,
3.9549

130.5099,
141.1482, 147.7228

■ 1.4746, 1.7509,
1.6006

163.2933,
176.2553, 184.9902

■ 0.3085, 0.4563,
0.2913

201.1526,

■ 0.0000, 0.0000,

216.7487, 228.0509

0.0000

244.4533,
263.0126, 277.3234

■ 29.9446, 32.9516,
33.6362

■ 29.9446, 32.9516,
33.6362

■ 26.3159, 31.1932,
28.4365

■ 34.0752, 34.9579,
39.4340

■ 23.1670, 29.6690,
23.8139

■ 38.7230, 37.2168,
45.8459

■ 20.4786, 28.3702,
19.7488

■ 43.9061, 39.7383,
52.8900

■ 18.2287, 27.2861,
16.2204

■ 49.6410, 42.5304,
60.5830

■ 16.3937, 26.4050,
13.2060

■ 55.9433, 45.6009,
68.9409

■ 14.9475, 25.7138,
10.6816

■ 62.8281, 48.9572,
77.9793

■ 13.8611, 25.1982,
8.6212

■ 68.9718, 51.9167,
87.6504

■ 13.1013, 24.8417,
6.9963

■ 70.9003, 52.6881,
97.8056

■ 12.6221, 24.6212,
5.7749

■ 71.5175, 52.9350,
101.0558

Harmonies

Analogous

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



30.5178, 32.9516, 32.0419



29.9446, 32.9516, 33.6362



29.7384, 32.9516, 35.8931

Triad

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



29.9446, 32.9516, 33.6362



31.3245, 32.9516, 40.6854



32.7307, 32.9516, 33.6124

Complementary

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



29.9446, 32.9516, 33.6362



30.6924, 30.8500, 35.7910

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.



32.9557, 32.9516, 35.8643



29.9446, 32.9516, 33.6362



32.1351, 32.9516, 40.0102

Square

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



29.9446, 32.9516, 33.6362



30.5264, 32.9516, 40.0256



32.7359, 32.9516, 38.2187



32.1263, 32.9516, 32.0286

Rectangle

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



29.9446, 32.9516, 33.6362



29.8338, 32.9516, 37.4914



32.7359, 32.9516, 38.2187



32.8537, 32.9516, 34.3130

Sweetspot

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



29.9455, 32.9530, 33.6369



57.4833, 61.3465, 65.4645



31.3161, 33.6780, 32.8674



12.9795, 13.8402, 14.7870



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



29.9455, 32.9530, 33.6369



53.1082, 59.2234, 59.2776



30.3430, 33.1120, 35.7303



6.6023, 7.4217, 7.3403



10.0088, 19.6714, 4.4032



0.1919, 0.3569, 0.1466

Inverse Universe

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



30.6924, 30.8500, 35.7910



54.8345, 54.3624, 64.2565



30.2909, 30.6894, 33.6771



6.8473, 6.7318, 8.0469



14.3443, 7.0423, 16.5961



0.2698, 0.1312, 0.3667

Previews

White Background



This preview shows how the XYZ color 29.9446, 32.9516, 33.6362 looks on a white background.

Color Contrast Check

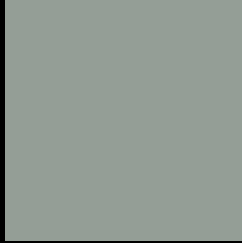
Large Text (above 18pt) WCAG AA × Fail

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 29.9446, 32.9516, 33.6362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

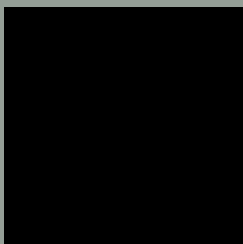
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

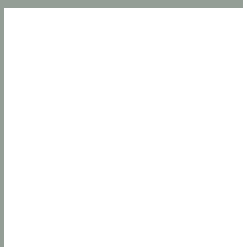
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9446, 32.9516, 33.6362

Background



This preview shows how black text looks on a background with the XYZ color 29.9446, 32.9516, 33.6362.



This preview shows how white text looks on a background with the XYZ color 29.9446, 32.9516,

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

29.9446, 32.9516, 33.6362

Protanopia

31.5638, 33.0544, 32.7335

Deuteranopia

33.5871, 32.8503, 34.2763



Tritanopia

31.5517, 32.8492, 41.7234

Trichromacy



Original Color

29.9446, 32.9516, 33.6362

Protanomaly

31.0236, 33.0148, 33.1711

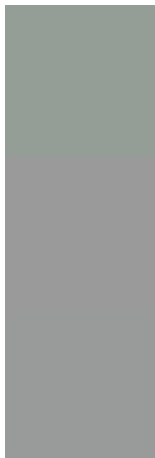
Deuteranomaly

32.0814, 32.8034, 33.9190

Tritanomaly

30.8992, 32.8342, 38.4273

Monochromacy



Original Color

29.9446, 32.9516, 33.6362

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.4200, 32.4180, 34.7910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9446, 32.9516, 33.6362 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(148, 158, 150)` looks like.

```
.text, #text, p{  
    color:rgb(148, 158, 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(148, 158, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 158, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.9446, 32.9516, 33.6362 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(148, 158, 150) }
```


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

```
.border{ border-color:rgb(148, 158, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 158, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 158, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 158, 150);  
box-shadow:4px 4px 4px 4px rgb(148, 158,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9446, 32.9516, 33.6362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 158, 150) }
```

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

```
.background{ background-color: rgb(148,  
158, 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](#).

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