

Converting Colors

XYZ(29.5312, 32.3754, 33.6243)

Have a look what the booklet for
XYZ(29.5312, 32.3754, 33.6243)
contains.

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Color

**XYZ(29.5946, 32.5190,
33.5712)**

Conversions

Conversions Part 1

Format	Color
Hex	939D96
RGB	147, 157, 150
RGB Percent	58%, 62%, 59%
CMY	0.4235, 0.3843, 0.4118
CMYK	0.06, 0.00, 0.04, 0.38
HSL	138°, 5%, 60%
HSV	138°, 6%, 62%
XYZ	29.5946, 32.5190, 33.5712
YIQ	153.2120, -3.7130, -4.2970

Conversions

Conversions Part 2

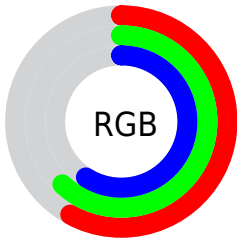
Format	Color
RYB	147, 155, 157
Decimal	9674134
CIELab	63.77, -4.94, 2.42
CIElCh	64, 5.503, 153.910
Yxy	32.5190, 0.3093, 0.3399
Android (android.graphics.Color)	4287864214 (0xFF939D96)
YUV	153.2120, -1.5835, -5.4479
Hunter-Lab	57.0254, -7.1580, 5.0134

Details

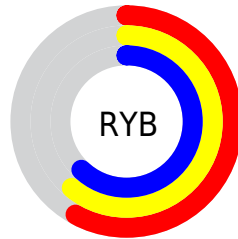
The XYZ color **29.5946, 32.5190, 33.5712** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.1722, 30.3694, 34.8450**, and the grayscale version is **30.3792, 31.9613, 34.8058**.

A 20% lighter version of the original color is **58.5300, 63.8641, 66.3689**, and **12.2300, 13.6957, 13.8033** is the 20% darker color. If you saturate the color by 10%, you get **26.1252, 30.8289, 29.0037**, and if you desaturate by 10%, it is **33.5331, 34.4432, 38.5955**.

Distribution



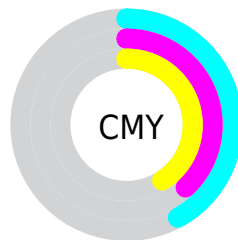
- Red (58%)
- Green (62%)
- Blue (59%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5946, 32.5190, 33.5712 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 29.5946, 32.5190, 33.5712 by changing the saturation by 10% instead.

■ 29.5946, 32.5190,
33.5712

■ 29.5946, 32.5190,
33.5712

291.9541,
313.4767, 332.9264

■ 19.6776, 21.7582,
22.2897

■ 58.4115, 63.6238,
66.3925

■ 12.2678, 13.6794,
13.8696

■ 78.0422, 84.7367,
88.7695

■ 6.9998, 7.8980,
7.8923

101.6414,
110.0690, 115.6819

■ 3.5083, 4.0297,
3.9393

129.5746,
140.0052, 147.5485

■ 1.4279, 1.6902,
1.5921

162.2071,
174.9297, 184.7877

■ 0.2760, 0.4173,
0.2852

199.9043,

■ 0.0000, 0.0000,

215.2269, 227.8180

0.0000

243.0315,
261.2811, 277.0581

■ 29.5946, 32.5190,
33.5712

■ 29.5946, 32.5190,
33.5712

■ 26.1252, 30.8289,
29.0037

■ 33.5331, 34.4432,
38.5955

■ 23.1046, 29.3599,
24.8780

■ 37.9548, 36.6057,
44.0865

■ 20.5146, 28.1038,
21.1817

■ 42.8765, 39.0159,
50.0567

■ 18.3351, 27.0506,
17.9008

■ 48.3134, 41.6813,
56.5174

■ 16.5441, 26.1892,
15.0206

■ 54.2801, 44.6094,
63.4796

■ 15.1176, 25.5076,
12.5255

■ 60.7905, 47.8069,
70.9537

■ 14.0288, 24.9922,
10.3991

■ 67.1542, 50.9179,
78.9171

■ 13.2469, 24.6276,
8.6234

■ 68.7198, 51.5441,
87.1616

■ 12.7283, 24.3917,
7.1787

■ 70.3841, 52.2098,
95.9252

Harmonies

Analogous

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



30.0878, 32.5190, 31.9962



29.5946, 32.5190, 33.5712



29.4513, 32.5190, 35.6982

Triad

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



29.5946, 32.5190, 33.5712



31.0096, 32.5190, 39.8194



32.1564, 32.5190, 33.0891

Complementary

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



29.5946, 32.5190, 33.5712



30.1722, 30.3694, 34.8450

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.



32.4127, 32.5190, 35.1187



29.5946, 32.5190, 33.5712



31.7437, 32.5190, 39.0533

Square

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



29.5946, 32.5190, 33.5712



30.2603, 32.5190, 39.3635



32.2604, 32.5190, 37.3099



31.5656, 32.5190, 31.7261

Rectangle

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



29.5946, 32.5190, 33.5712



29.5714, 32.5190, 37.1583



32.2604, 32.5190, 37.3099



32.2850, 32.5190, 33.7129

Sweetspot

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



29.5955, 32.5204, 33.5719



55.9505, 59.6779, 63.9172



30.6829, 33.1085, 32.3775



12.3305, 13.1410, 14.0888



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



29.5955, 32.5204, 33.5719



51.8315, 57.6678, 58.6032



29.9931, 32.6794, 35.6653



6.6286, 7.4322, 7.4786



10.2255, 19.7581, 5.5443



0.2002, 0.3602, 0.1908

Inverse Universe

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



30.1722, 30.3694, 34.8450



53.1377, 52.7956, 61.4865



29.7775, 30.2115, 32.7662



6.8193, 6.7206, 7.8997



13.5917, 6.7413, 12.6330



0.2607, 0.1276, 0.3188

Previews

White Background



This preview shows how the XYZ color 29.5946, 32.5190, 33.5712 looks on a white background.

Color Contrast Check

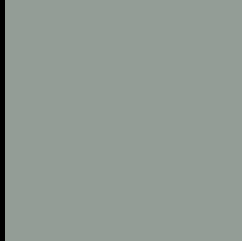
Large Text (above 18pt) WCAG AA × Fail

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 29.5946, 32.5190, 33.5712 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

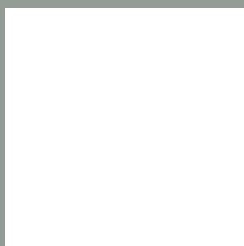
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5946, 32.5190, 33.5712

Background



This preview shows how black text looks on a background with the XYZ color 29.5946, 32.5190, 33.5712.



This preview shows how white text looks on a background with the XYZ color 29.5946, 32.5190,

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

29.5946, 32.5190, 33.5712

Protanopia

31.0014, 32.5184, 32.6597

Deuteranopia

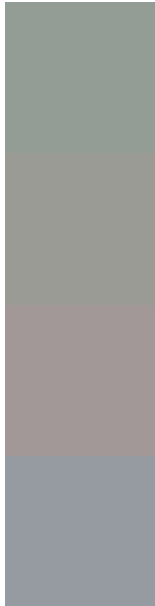
32.9925, 32.3079, 34.2029



Tritanopia

31.1083, 32.3853, 41.1706

Trichromacy



Original Color

29.5946, 32.5190, 33.5712

Protanomaly

30.4726, 32.4826, 33.0975

Deuteranomaly

31.7144, 32.3722, 33.8551

Tritanomaly

30.5488, 32.4055, 38.3630

Monochromacy



Original Color

29.5946, 32.5190, 33.5712

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9856, 31.9575, 34.2938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5946, 32.5190, 33.5712 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(147, 157, 150)` looks like.

```
.text, #text, p{  
    color:rgb(147, 157, 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(147, 157, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 157, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.5946, 32.5190, 33.5712 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(147, 157, 150) }
```


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

```
.border{ border-color:rgb(147, 157, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 157, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 157, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 157, 150);  
box-shadow:4px 4px 4px 4px rgb(147, 157,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5946, 32.5190, 33.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 157, 150) }
```

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

```
.background{ background-color: rgb(147,  
157, 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](#).

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