

Converting Colors

XYZ(29.9671, 32.1853, 35.3345)

Have a look what the booklet for
XYZ(29.9671, 32.1853, 35.3345)
contains.

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Color

**XYZ(29.9485, 32.1653,
35.2019)**

Conversions

Conversions Part 1

Format	Color
Hex	959B9A
RGB	149, 155, 154
RGB Percent	58%, 61%, 60%
CMY	0.4157, 0.3921, 0.3961
CMYK	0.04, 0.00, 0.01, 0.39
HSL	170°, 3%, 60%
HSV	170°, 4%, 61%
XYZ	29.9485, 32.1653, 35.2019
YIQ	153.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

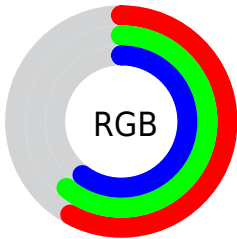
Format	Color
RYB	149, 152, 155
Decimal	9804698
CIELab	63.48, -2.35, -0.23
CIELCh	63, 2.357, 185.686
Yxy	32.1653, 0.3077, 0.3305
Android (android.graphics.Color)	4287994778 (0xFF959B9A)
YUV	153.0920, 0.4476, -3.5887
Hunter-Lab	56.7145, -4.9920, 2.8996

Details

The XYZ color **29.9485, 32.1653, 35.2019** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.7712, 30.6663, 33.2058**, and the grayscale version is **30.3182, 31.8971, 34.7359**.

A 20% lighter version of the original color is **58.8142, 62.8515, 68.7062**, and **12.4355, 13.4766, 14.7778** is the 20% darker color. If you saturate the color by 10%, you get **27.0936, 30.7191, 33.9554**, and if you desaturate by 10%, it is **33.1863, 33.8102, 36.4919**.

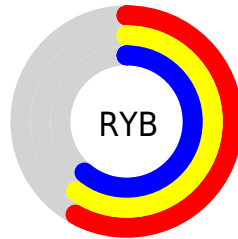
Distribution



Red (58%)

Green (61%)

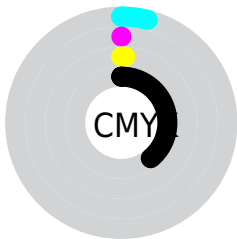
Blue (60%)



Red (58%)

Yellow (60%)

Blue (61%)

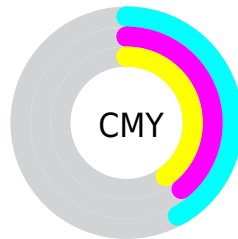


Cyan (4%)

Magenta (0%)

Yellow (1%)

Black (39%)



Cyan (42%)

Magenta (39%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9485, 32.1653, 35.2019 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 29.9485, 32.1653, 35.2019 by changing the saturation by 10% instead.

■ 29.9485, 32.1653,
35.2019

■ 29.9485, 32.1653,
35.2019

293.5785,
311.8716, 340.3899

■ 19.9474, 21.4878,
23.5336

■ 58.9679, 63.0701,
68.9535

■ 12.4648, 13.4810,
14.7790

■ 78.7169, 84.0663,
91.8740

■ 7.1355, 7.7606,
8.5196

102.4459,
109.2707, 119.3823

■ 3.5941, 3.9422,
4.3367

130.5203,
139.0678, 151.8969

■ 1.4752, 1.6413,
1.8118

163.3054,
173.8421, 189.8365

■ 0.3088, 0.3852,
0.4357

201.1665,

■ 0.0000, 0.0000,

213.9779, 233.6195

0.0000

244.4691,
259.8596, 283.6644

■ 29.9485, 32.1653,
35.2019

■ 29.9485, 32.1653,
35.2019

■ 27.0936, 30.7191,
33.9554

■ 33.1863, 33.8102,
36.4919

■ 24.6040, 29.4597,
32.7495

■ 36.8183, 35.6568,
37.8241

■ 22.4649, 28.3806,
31.5840

■ 40.8585, 37.7134,
39.2000

■ 20.6594, 27.4729,
30.4579

■ 45.3197, 39.9864,
40.6203

■ 19.1692, 26.7272,
29.3703

■ 50.2139, 42.4820,
42.0857

■ 17.9742, 26.1332,
28.3199

■ 55.5527, 45.2064,
43.5970

■ 17.0519, 25.6792,
27.3057

■ 60.4201, 47.6871,
45.1113

■ 16.3766, 25.3520,
26.3263

■ 60.6714, 47.7877,
46.4349

■ 15.9174, 25.1358,
25.3799

■ 60.9276, 47.8901,
47.7842

Harmonies

Analogous

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



30.0007, 32.1653, 34.2837



29.9485, 32.1653, 35.2019



30.0625, 32.1653, 36.0874

Triad

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



29.9485, 32.1653, 35.2019



30.9417, 32.1653, 36.5111



30.8327, 32.1653, 33.4013

Complementary

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



29.9485, 32.1653, 35.2019



29.7712, 30.6663, 33.2058

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.



31.0876, 32.1653, 33.9788



29.9485, 32.1653, 35.2019



31.1508, 32.1653, 35.7720

Square

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



29.9485, 32.1653, 35.2019



30.6347, 32.1653, 36.8519



31.2044, 32.1653, 34.8438



30.5097, 32.1653, 33.2548

Rectangle

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



29.9485, 32.1653, 35.2019



30.2178, 32.1653, 36.5366



31.2044, 32.1653, 34.8438



30.9293, 32.1653, 33.5509

Sweetspot

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



29.9494, 32.1667, 35.2026



55.2166, 58.4076, 63.6920



29.7432, 32.1075, 33.0640



12.5058, 13.2242, 14.4195



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.



29.9494, 32.1667, 35.2026



52.9708, 57.2681, 62.7634



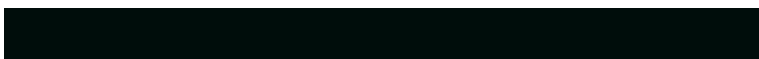
29.7194, 31.5725, 35.5396



6.5801, 7.1304, 7.8185



12.6154, 20.1096, 19.9929



0.1990, 0.3048, 0.3536

Inverse Universe

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



29.7712, 30.6663, 33.2058



52.5541, 53.7594, 58.0937



29.9940, 31.2406, 32.8835



6.5238, 6.6569, 7.1883



11.0163, 5.6608, 1.3450



0.1740, 0.0883, 0.0690

Previews

White Background



This preview shows how the XYZ color 29.9485, 32.1653, 35.2019 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 29.9485, 32.1653, 35.2019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

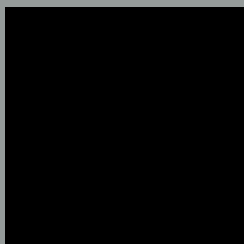
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

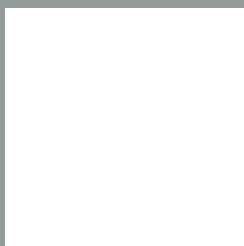
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9485, 32.1653, 35.2019

Background



This preview shows how black text looks on a background with the XYZ color 29.9485, 32.1653, 35.2019.



This preview shows how white text looks on a background with the XYZ color 29.9485, 32.1653,

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

29.9485, 32.1653, 35.2019

Protanopia

30.8513, 32.1503, 34.7166

Deuteranopia

32.8123, 32.1863, 35.4935



Tritanopia

30.9453, 32.0784, 40.1581

Trichromacy



Original Color

29.9485, 32.1653, 35.2019

Protanomaly

30.4422, 32.1834, 34.7445

Deuteranomaly

31.6809, 32.0768, 35.5320

Tritanomaly

30.5663, 32.1684, 38.3163

Monochromacy



Original Color

29.9485, 32.1653, 35.2019

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.2543, 32.0865, 34.7357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9485, 32.1653, 35.2019 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(149, 155, 154) looks like.

```
.text, #text, p{  
    color:rgb(149, 155, 154)  
}
```

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(149, 155, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 155, 154) }
```

Border

The CSS property to change the border of an element to XYZ 29.9485, 32.1653, 35.2019 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(149, 155, 154) }
```


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

```
.border{ border-color:rgb(149, 155, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 155, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 155, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 155, 154);  
box-shadow:4px 4px 4px 4px rgb(149, 155,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9485, 32.1653, 35.2019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 155, 154) }
```

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

```
.background{ background-color: rgb(149,  
155, 154) }
```

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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