

Converting Colors

XYZ(29.8595, 32.2436, 38.2068)

Have a look what the booklet for
XYZ(29.8595, 32.2436, 38.2068)
contains.

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Color

**XYZ(29.9985, 32.3699,
38.3851)**

Conversions

Conversions Part 1

Format	Color
Hex	919CA1
RGB	145, 156, 161
RGB Percent	57%, 61%, 63%
CMY	0.4314, 0.3882, 0.3686
CMYK	0.10, 0.03, 0.00, 0.37
HSL	199°, 8%, 60%
HSV	199°, 10%, 63%
XYZ	29.9985, 32.3699, 38.3851
YIQ	153.2810, -8.1610, -0.7770

Conversions

Conversions Part 2

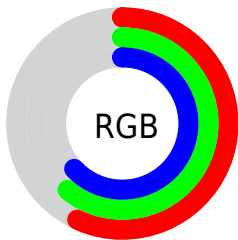
Format	Color
RYB	145, 152, 161
Decimal	9542817
CIELab	63.65, -2.88, -3.96
CIELCh	64, 4.899, 233.978
Yxy	32.3699, 0.2977, 0.3213
Android (android.graphics.Color)	4287732897 (0xFF919CA1)
YUV	153.2810, 3.8055, -7.2624
Hunter-Lab	56.8946, -5.4487, -0.1751

Details

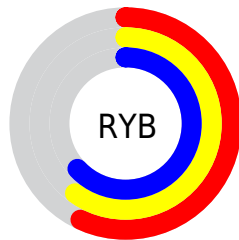
The XYZ color **29.9985, 32.3699, 38.3851** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7151, 31.4337, 31.2369**, and the grayscale version is **30.3879, 31.9704, 34.8158**.

A 20% lighter version of the original color is **58.9945, 63.1932, 74.0539**, and **12.4821, 13.6086, 16.7207** is the 20% darker color. If you saturate the color by 10%, you get **26.5339, 29.3578, 37.9868**, and if you desaturate by 10%, it is **33.9020, 35.6618, 38.8153**.

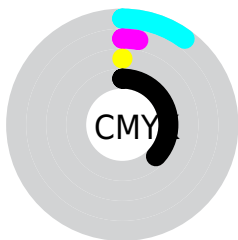
Distribution



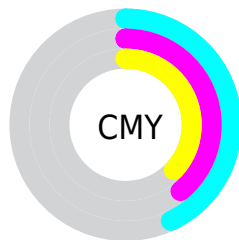
- Red (57%)
- Green (61%)
- Blue (63%)



- Red (57%)
- Yellow (60%)
- Blue (63%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (37%)



- Cyan (43%)
- Magenta (39%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9985, 32.3699, 38.3851 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 29.9985, 32.3699, 38.3851 by changing the saturation by 10% instead.

■ 29.9985, 32.3699,
38.3851

■ 29.9985, 32.3699,
38.3851

293.8074,
312.8008, 354.6167

■ 19.9855, 21.6442,
25.9776

■ 59.0465, 63.3905,
73.9080

■ 12.4927, 13.5957,
16.5812

■ 78.8121, 84.4542,
97.8604

■ 7.1548, 7.8400,
9.7776

102.5594,
109.7327, 126.4982

■ 3.6063, 3.9927,
5.1481

130.6537,
139.6104, 160.2399

■ 1.4819, 1.6695,
2.2741

163.4602,
174.4717, 199.5040

■ 0.3135, 0.4038,
0.7167

201.3445,

■ 0.0000, 0.0000,

214.7009, 244.7092

0.0000

244.6718,
260.6825, 296.2739

■ 29.9985, 32.3699,
38.3851

■ 29.9985, 32.3699,
38.3851

■ 26.5339, 29.3578,
37.9868

■ 33.9020, 35.6618,
38.8153

■ 23.4882, 26.6121,
37.6174

■ 38.2577, 39.2386,
39.2761

■ 20.8438, 24.1238,
37.2765

■ 43.0821, 43.1100,
39.7691

■ 18.5809, 21.8822,
36.9630

■ 48.3898, 47.2842,
40.2950

■ 16.6778, 19.8753,
36.6760

■ 54.1947, 51.7689,
40.8547

■ 15.1104, 18.0902,
36.4140

■ 60.5103, 56.5717,
41.4489

■ 13.8517, 16.5122,
36.1758

■ 66.3484, 61.1838,
42.0314

■ 12.8697, 15.1242,
35.9596

■ 67.4655, 63.4180,
42.4038

■ 12.0912, 13.8875,
35.7620

■ 68.6206, 65.7283,
42.7888

Harmonies

Analogous

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



29.5788, 32.3699, 36.8006



29.9985, 32.3699, 38.3851



30.6286, 32.3699, 39.1313

Triad

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



29.9985, 32.3699, 38.3851



32.0952, 32.3699, 35.6425



30.2345, 32.3699, 31.9098

Complementary

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



29.9985, 32.3699, 38.3851



30.7151, 31.4337, 31.2369

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.



30.9050, 32.3699, 31.6255



29.9985, 32.3699, 38.3851



31.9858, 32.3699, 33.7345

Square

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



29.9985, 32.3699, 38.3851



31.8442, 32.3699, 37.5106



31.5477, 32.3699, 32.2816



29.7136, 32.3699, 33.0731

Rectangle

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



29.9985, 32.3699, 38.3851



31.0859, 32.3699, 39.0340



31.5477, 32.3699, 32.2816



30.4496, 32.3699, 31.7101

Sweetspot

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



29.9994, 32.3713, 38.3858



58.4495, 61.9745, 69.2682



29.9113, 33.7055, 33.6996



12.6976, 13.4901, 15.1783



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.



29.9994, 32.3713, 38.3858



52.2381, 56.6957, 68.5767



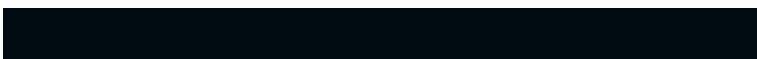
28.7318, 29.8360, 37.9633



7.0886, 7.6362, 9.0034



9.6905, 11.1604, 28.5732



0.2428, 0.3128, 0.6134

Inverse Universe

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



30.8248, 30.2287, 35.6642



54.0385, 52.0836, 62.6257



32.0020, 34.0074, 31.6659



7.2697, 7.1643, 8.4066



14.0368, 6.9708, 12.6502



0.3147, 0.1544, 0.3699

Previews

White Background



This preview shows how the XYZ color 29.9985, 32.3699, 38.3851 looks on a white background.

Color Contrast Check

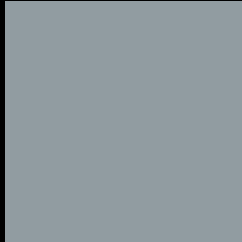
Large Text (above 18pt) WCAG AA × Fail

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 29.9985, 32.3699, 38.3851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

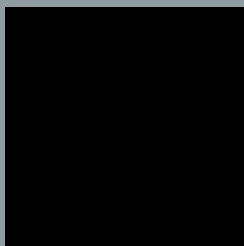
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

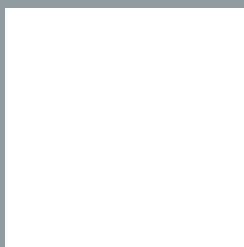
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9985, 32.3699, 38.3851

Background



This preview shows how black text looks on a background with the XYZ color 29.9985, 32.3699, 38.3851.



This preview shows how white text looks on a background with the XYZ color 29.9985, 32.3699,

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

29.9985, 32.3699, 38.3851

Protanopia

31.1668, 32.2542, 37.3839

Deuteranopia

32.7861, 32.1029, 38.6509



Tritanopia

30.5505, 32.3437, 41.1920

Trichromacy



Original Color

29.9985, 32.3699, 38.3851

Protanomaly

30.6633, 32.2286, 37.8623

Deuteranomaly

31.8504, 32.3342, 38.7448

Tritanomaly

30.3669, 32.2703, 40.2256

Monochromacy



Original Color

29.9985, 32.3699, 38.3851

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1340, 31.9955, 36.0400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9985, 32.3699, 38.3851 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(145, 156, 161) looks like.

```
.text, #text, p{  
    color:rgb(145, 156, 161)  
}
```

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(145, 156, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 156, 161) }
```

Border

The CSS property to change the border of an element to XYZ 29.9985, 32.3699, 38.3851 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(145, 156, 161) }
```


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

```
.border{ border-color:rgb(145, 156, 161) }
```

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

Here you see how a box with a 4 pixel rgb(145, 156, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 156, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 156, 161);  
box-shadow:4px 4px 4px 4px rgb(145, 156,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9985, 32.3699, 38.3851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 156, 161) }
```

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

```
.background{ background-color: rgb(145,  
156, 161) }
```

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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