

Converting Colors

XYZ(29.9768, 30.2685, 34.8343)

Have a look what the booklet for
XYZ(29.9768, 30.2685, 34.8343)
contains.

XYZ(29.9768, 30.2685, 34.8343)	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(29.9768, 30.2685,
34.8343)**

Conversions

Conversions Part 1

Format	Color
Hex	9C939A
RGB	156, 147, 154
RGB Percent	61%, 58%, 60%
CMY	0.3882, 0.4235, 0.3961
CMYK	0.00, 0.06, 0.01, 0.39
HSL	313°, 4%, 59%
HSV	313°, 6%, 61%
XYZ	29.9768, 30.2685, 34.8343
YIQ	150.4890, 3.1170, 4.0850

Conversions

Conversions Part 2

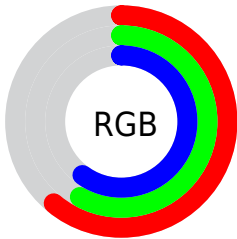
Format	Color
RYB	156, 147, 154
Decimal	10261402
CIELab	61.89, 4.63, -2.50
CIELCh	62, 5.265, 331.623
Yxy	30.2685, 0.3153, 0.3183
Android (android.graphics.Color)	4288451482 (0xFF9C939A)
YUV	150.4890, 1.7309, 4.8331
Hunter-Lab	55.0168, 0.9792, 0.9719

Details

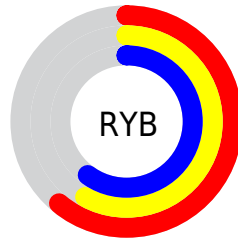
The XYZ color **29.9768, 30.2685, 34.8343** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.3471, 32.1508, 33.0944**, and the grayscale version is **29.1900, 30.7101, 33.4433**.

A 20% lighter version of the original color is **58.8502, 60.0290, 68.1595**, and **12.4568, 12.3483, 14.5589** is the 20% darker color. If you saturate the color by 10%, you get **27.4292, 25.6285, 32.5808**, and if you desaturate by 10%, it is **32.8634, 35.5724, 37.2427**.

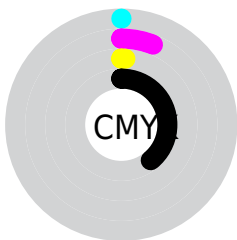
Distribution



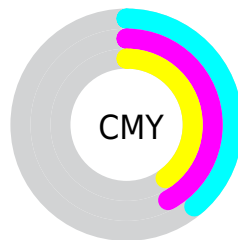
- Red (61%)
- Green (58%)
- Blue (60%)



- Red (61%)
- Yellow (58%)
- Blue (60%)



- Cyan (0%)
- Magenta (6%)
- Yellow (1%)
- Black (39%)



- Cyan (39%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9768, 30.2685, 34.8343 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 29.9768, 30.2685, 34.8343 by changing the saturation by 10% instead.

■ 29.9768, 30.2685,
34.8343

■ 29.9768, 30.2685,
34.8343

293.7081,
303.1540, 338.7183

■ 19.9690, 20.0425,
23.2527

■ 59.0124, 60.0865,
68.3776

■ 12.4806, 12.4259,
14.5732

■ 78.7708, 80.4473,
91.1765

■ 7.1464, 7.0344,
8.3771

102.5102,
104.9552, 118.5516

■ 3.6010, 3.4837,
4.2460

130.5958,
133.9945, 150.9213

■ 1.4790, 1.3891,
1.7612

163.3930,
167.9496, 188.7043

■ 0.3115, 0.2087,
0.4022

201.2673,

■ 0.0000, 0.0000,

207.2050, 232.3191

0.0000

244.5838,
252.1450, 282.1843

■ 29.9768, 30.2685,
34.8343

■ 29.9768, 30.2685,
34.8343

■ 27.4292, 25.6285,
32.5808

■ 32.8634, 35.5724,
37.2427

■ 25.2049, 21.6222,
30.4756

■ 36.0990, 41.5611,
39.8086

■ 23.2905, 18.2228,
28.5142

■ 39.6963, 48.2595,
42.5368

■ 21.6710, 15.4000,
26.6912

■ 43.6664, 55.6901,
45.4316

■ 20.3299, 13.1211,
25.0007

■ 48.0202, 63.8742,
48.4967

■ 19.2491, 11.3500,
23.4365

■ 52.7680, 72.8324,
51.7360

■ 18.4082, 10.0460,
21.9913

■ 57.5343, 81.8135,
55.0247

■ 17.7838, 9.1626,
20.6570

■ 57.8877, 81.9549,
56.8858

■ 17.3442, 8.6362,
19.4225

■ 58.2500, 82.0998,
58.7937

Harmonies

Analogous

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



29.4849, 30.2685, 36.3698



29.9768, 30.2685, 34.8343



30.1437, 30.2685, 32.8476

Triad

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



29.9768, 30.2685, 34.8343



28.7310, 30.2685, 29.2320



27.6320, 30.2685, 35.0320

Complementary

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



29.9768, 30.2685, 34.8343



29.3471, 32.1508, 33.0944

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.



27.4373, 30.2685, 33.0672



29.9768, 30.2685, 34.8343



28.0654, 30.2685, 29.7651

Square

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



29.9768, 30.2685, 34.8343



29.4175, 30.2685, 29.6627



27.5947, 30.2685, 31.1489



28.1307, 30.2685, 36.4872

Rectangle

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



29.9768, 30.2685, 34.8343



30.0461, 30.2685, 31.5492



27.5947, 30.2685, 31.1489



27.5292, 30.2685, 34.4066

Sweetspot

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



29.9777, 30.2698, 34.8350



56.3282, 58.4251, 64.8664



28.8211, 29.6542, 35.6578



12.4087, 12.8818, 14.2852



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.



29.9777, 30.2698, 34.8350



53.7768, 53.7519, 62.6916



29.6139, 30.1243, 32.9196



6.9556, 6.9385, 8.1137



14.1654, 6.9707, 15.6536



0.2677, 0.1304, 0.3556

Inverse Universe

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



29.9777, 30.2698, 34.8350



53.7768, 53.7519, 62.6916



29.7092, 32.2956, 35.0009



6.9556, 6.9385, 8.1137



14.1654, 6.9707, 15.6536



0.2677, 0.1304, 0.3556

Previews

White Background



This preview shows how the XYZ color 29.9768, 30.2685, 34.8343 looks on a white background.

Color Contrast Check

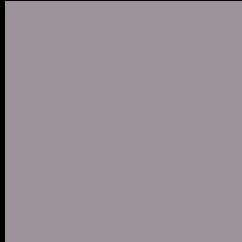
Large Text (above 18pt) WCAG AA × Fail

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 29.9768, 30.2685, 34.8343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

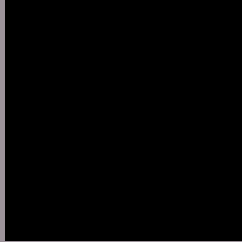
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9768, 30.2685, 34.8343

Background



This preview shows how black text looks on a background with the XYZ color 29.9768, 30.2685, 34.8343.



This preview shows how white text looks on a background with the XYZ color 29.9768, 30.2685,

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

29.9768, 30.2685, 34.8343

Protanopia

29.4263, 30.4408, 35.3351

Deuteranopia

30.8584, 30.2653, 34.7872



Tritanopia

30.3551, 30.1945, 36.5760

Trichromacy



Original Color

29.9768, 30.2685, 34.8343

Protanomaly

29.6432, 30.3187, 35.3001

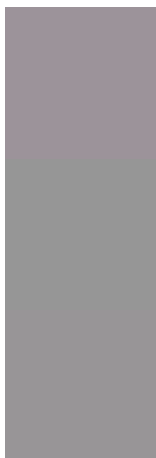
Deuteranomaly

30.6088, 30.3644, 34.8195

Tritanomaly

30.2693, 30.1602, 36.1244

Monochromacy



Original Color

29.9768, 30.2685, 34.8343

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.2823, 30.4047, 33.6035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9768, 30.2685, 34.8343 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(156, 147, 154)` looks like.

```
.text, #text, p{  
    color:rgb(156, 147, 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(156, 147, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 147, 154) }
```

Border

The CSS property to change the border of an element to XYZ 29.9768, 30.2685, 34.8343 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(156, 147, 154) }
```


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

```
.border{ border-color:rgb(156, 147, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 147, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 147, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 147, 154);  
box-shadow:4px 4px 4px 4px rgb(156, 147,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9768, 30.2685, 34.8343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 147, 154) }
```

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

```
.background{ background-color: rgb(156,  
147, 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](#).

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