

Converting Colors

XYZ(29.4459, 30.3428, 33.9435)

Have a look what the booklet for
XYZ(29.4459, 30.3428, 33.9435)
contains.

XYZ(29.3943, 30.2191, 33.9894)	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(29.3943, 30.2191,
33.9894)**

Conversions

Conversions Part 1

Format	Color
Hex	999498
RGB	153, 148, 152
RGB Percent	60%, 58%, 60%
CMY	0.4000, 0.4196, 0.4039
CMYK	0.00, 0.03, 0.01, 0.40
HSL	312°, 2%, 59%
HSV	312°, 3%, 60%
XYZ	29.3943, 30.2191, 33.9894
YIQ	149.9510, 1.6960, 2.3040

Conversions

Conversions Part 2

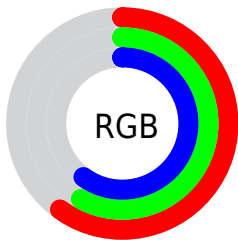
Format	Color
RYB	153, 148, 152
Decimal	10065048
CIELab	61.84, 2.60, -1.46
CIELCh	62, 2.979, 330.641
Yxy	30.2191, 0.3140, 0.3228
Android (android.graphics.Color)	4288255128 (0xFF999498)
YUV	149.9510, 1.0102, 2.6740
Hunter-Lab	54.9719, -0.7542, 1.8210

Details

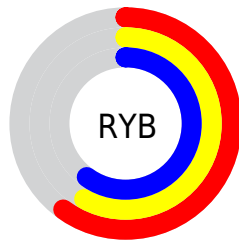
The XYZ color **29.3943, 30.2191, 33.9894** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.0300, 31.2492, 32.9370**, and the grayscale version is **28.9647, 30.4731, 33.1852**.

A 20% lighter version of the original color is **57.9932, 59.9627, 66.9099**, and **12.1031, 12.3138, 14.0508** is the 20% darker color. If you saturate the color by 10%, you get **26.9040, 25.6344, 31.9382**, and if you desaturate by 10%, it is **32.2100, 35.4435, 36.1818**.

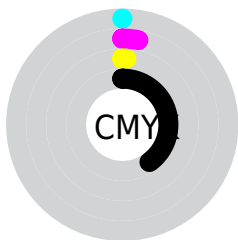
Distribution



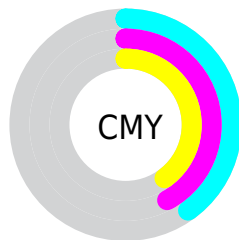
- Red (60%)
- Green (58%)
- Blue (60%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3943, 30.2191, 33.9894 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 29.3943, 30.2191, 33.9894 by changing the saturation by 10% instead.

■ 29.3943, 30.2191,
33.9894

■ 29.3943, 30.2191,
33.9894

291.0316,
302.9244, 334.8525

■ 19.5251, 20.0050,
22.6082

■ 58.0962, 60.0085,
67.0509

■ 12.1566, 12.3986,
14.1019

■ 77.6596, 80.3525,
89.5682

■ 6.9233, 7.0158,
8.0520

101.1851,
104.8420, 116.6347

■ 3.4601, 3.4720,
4.0400

129.0381,
133.8613, 148.6688

■ 1.4015, 1.3828,
1.6473

161.5838,
167.7948, 186.0891

■ 0.2573, 0.2040,
0.3242

199.1878,

■ 0.0000, 0.0000,

207.0268, 229.3141

0.0000

242.2153,
251.9419, 278.7624

■ 29.3943, 30.2191,
33.9894

■ 29.3943, 30.2191,
33.9894

■ 26.9040, 25.6344,
31.9382

■ 32.2100, 35.4435,
36.1818

■ 24.7242, 21.6607,
30.0218

■ 35.3603, 41.3270,
38.5175

■ 22.8426, 18.2730,
28.2363

■ 38.8571, 47.8931,
41.0011

■ 21.2448, 15.4431,
26.5767

■ 42.7110, 55.1629,
43.6364

■ 19.9157, 13.1404,
25.0376

■ 46.9323, 63.1567,
46.4271

■ 18.8384, 11.3314,
23.6131

■ 51.5307, 71.8939,
49.3765

■ 17.9941, 9.9786,
22.2969

■ 56.4821, 81.3264,
52.4769

■ 17.3615, 9.0392,
21.0814

■ 56.7829, 81.4467,
54.0607

■ 16.9151, 8.4625,
19.9579

■ 57.0905, 81.5698,
55.6805

Harmonies

Analogous

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



29.1140, 30.2191, 34.8248



29.3943, 30.2191, 33.9894



29.4941, 30.2191, 32.8790

Triad

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



29.3943, 30.2191, 33.9894



28.7138, 30.2191, 30.7609



28.0691, 30.2191, 34.0328

Complementary

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



29.3943, 30.2191, 33.9894



29.0300, 31.2492, 32.9370

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.



27.9641, 30.2191, 32.9280



29.3943, 30.2191, 33.9894



28.3342, 30.2191, 31.0541

Square

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



29.3943, 30.2191, 33.9894



29.0991, 30.2191, 31.0306



28.0607, 30.2191, 31.8409



28.3489, 30.2191, 34.8502

Rectangle

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



29.3943, 30.2191, 33.9894



29.4442, 30.2191, 32.1371



28.0607, 30.2191, 31.8409



28.0124, 30.2191, 33.6819

Sweetspot

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



29.3952, 30.2204, 33.9901



53.7238, 56.1210, 61.7310



28.7353, 29.8707, 34.3887



11.8695, 12.4046, 13.6361



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



29.3952, 30.2204, 33.9901



52.2586, 53.4110, 60.5634



29.1926, 30.1394, 32.9236



6.6769, 6.7977, 7.7494



13.7922, 6.7711, 15.9624



0.2182, 0.1060, 0.3018

Inverse Universe

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



29.3952, 30.2204, 33.9901



52.2586, 53.4110, 60.5634



29.2316, 31.3298, 33.9989



6.6769, 6.7977, 7.7494



13.7922, 6.7711, 15.9624



0.2182, 0.1060, 0.3018

Previews

White Background



This preview shows how the XYZ color 29.3943, 30.2191, 33.9894 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 29.3943, 30.2191, 33.9894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

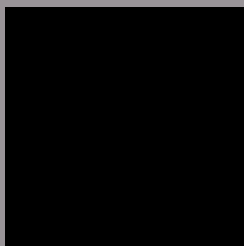
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3943, 30.2191, 33.9894

Background



This preview shows how black text looks on a background with the XYZ color 29.3943, 30.2191, 33.9894.

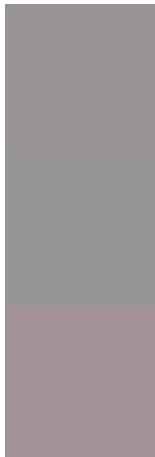


This preview shows how white text looks on a background with the XYZ color 29.3943, 30.2191,

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

29.3943, 30.2191, 33.9894

Protanopia

29.1774, 30.3412, 34.0244

Deuteranopia

30.7755, 30.2321, 34.3503



Tritanopia

30.0182, 30.2407, 37.0558

Trichromacy



Original Color

29.3943, 30.2191, 33.9894

Protanomaly

29.3638, 30.4373, 34.0331

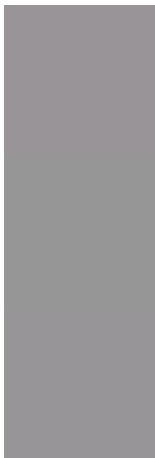
Deuteranomaly

30.3267, 30.2286, 34.3733

Tritanomaly

29.7609, 30.1378, 35.7011

Monochromacy



Original Color

29.3943, 30.2191, 33.9894

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.0959, 30.3086, 33.5948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3943, 30.2191, 33.9894 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(153, 148, 152)` looks like.

```
.text, #text, p{  
    color:rgb(153, 148, 152)  
}
```

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(153, 148, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 148, 152) }
```

Border

The CSS property to change the border of an element to XYZ 29.3943, 30.2191, 33.9894 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(153, 148, 152) }
```


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

```
.border{ border-color:rgb(153, 148, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 148, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 148, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 148, 152);  
box-shadow:4px 4px 4px 4px rgb(153, 148,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3943, 30.2191, 33.9894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 148, 152) }
```

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

```
.background{ background-color: rgb(153,  
148, 152) }
```

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