

Converting Colors

XYZ(29.2976, 30.2835, 33.1624)

Have a look what the booklet for
XYZ(29.2976, 30.2835, 33.1624)
contains.

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Color

**XYZ(29.2318, 30.1541,
33.1338)**

Conversions

Conversions Part 1

Format	Color
Hex	999496
RGB	153, 148, 150
RGB Percent	60%, 58%, 59%
CMY	0.4000, 0.4196, 0.4118
CMYK	0.00, 0.03, 0.02, 0.40
HSL	336°, 2%, 59%
HSV	336°, 3%, 60%
XYZ	29.2318, 30.1541, 33.1338
YIQ	149.7230, 2.3380, 1.6820

Conversions

Conversions Part 2

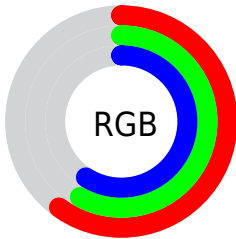
Format	Color
R_{YB}	153, 148, 150
Decimal	10065046
CIE Lab	61.79, 2.21, -0.41
CIE LCh	62, 2.250, 349.535
Yxy	30.1541, 0.3160, 0.3259
Android (android.graphics.Color)	4288255126 (0xFF999496)
YUV	149.7230, 0.1366, 2.8739
Hunter-Lab	54.9127, -1.0761, 2.6639

Details

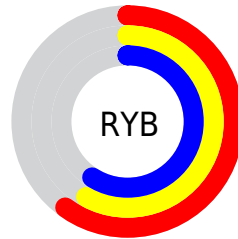
The XYZ color **29.2318, 30.1541, 33.1338** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1910, 31.3135, 33.7853**, and the grayscale version is **28.8715, 30.3751, 33.0785**.

A 20% lighter version of the original color is **57.7517, 59.8661, 65.6382**, and **12.0063, 12.2750, 13.5409** is the 20% darker color. If you saturate the color by 10%, you get **26.2781, 25.3840, 28.6423**, and if you desaturate by 10%, it is **32.5624, 35.5845, 38.0378**.

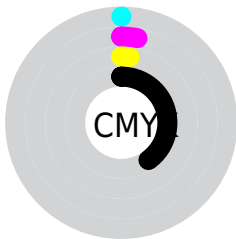
Distribution



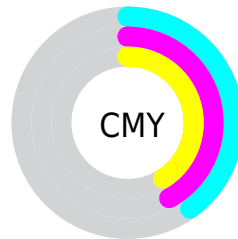
- Red (60%)
- Green (58%)
- Blue (59%)



- Red (60%)
- Yellow (58%)
- Blue (59%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (40%)



- Cyan (40%)
- Magenta (42%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2318, 30.1541, 33.1338 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 29.2318, 30.1541, 33.1338 by changing the saturation by 10% instead.

■ 29.2318, 30.1541,
33.1338

■ 29.2318, 30.1541,
33.1338

290.2816,
302.6221, 330.9027

■ 19.4014, 19.9556,
21.9570

■ 57.8402, 59.9058,
65.7028

■ 12.0664, 12.3628,
13.6273

■ 77.3489, 80.2278,
87.9321

■ 6.8614, 6.9912,
7.7261

100.8144,
104.6930, 114.6826

■ 3.4212, 3.4566,
3.8350

128.6021,
133.6859, 146.3729

■ 1.3802, 1.3745,
1.5352

161.0773,
167.5909, 183.4215

■ 0.2420, 0.1978,
0.2440

198.6054,

■ 0.0000, 0.0000,

206.7923, 226.2470

0.0000

241.5517,
251.6746, 275.2679

■ 29.2318, 30.1541,
33.1338

■ 29.2318, 30.1541,
33.1338

■ 26.2781, 25.3840,
28.6423

■ 32.5624, 35.5845,
38.0378

■ 23.6851, 21.2451,
24.5501

■ 36.2804, 41.6950,
43.3629

■ 21.4392, 17.7117,
20.8465

■ 40.3988, 48.5098,
49.1200

■ 19.5247, 14.7551,
17.5191

■ 44.9295, 56.0503,
55.3189

■ 17.9250, 12.3442,
14.5551

■ 49.8837, 64.3373,
61.9692

■ 16.6218, 10.4447,
11.9407

■ 55.2723, 73.3905,
69.0800

■ 15.5946, 9.0187,
9.6612

■ 61.0724, 83.1625,
76.6492

■ 14.8205, 8.0228,
7.7005

■ 62.2812, 83.6460,
83.0145

■ 14.2722, 7.4054,
6.0406

■ 63.5572, 84.1565,
89.7339

Harmonies

Analogous

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



29.1019, 30.1541, 33.9170



29.2318, 30.1541, 33.1338



29.2079, 30.1541, 32.2832

Triad

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



29.2318, 30.1541, 33.1338



28.4680, 30.1541, 31.2996



28.2877, 30.1541, 34.1062

Complementary

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



29.2318, 30.1541, 33.1338



29.1910, 31.3135, 33.7853

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.



28.1201, 30.1541, 33.3884



29.2318, 30.1541, 33.1338



28.2238, 30.1541, 31.7717

Square

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



29.2318, 30.1541, 33.1338



28.7655, 30.1541, 31.2341



28.0968, 30.1541, 32.5334



28.5559, 30.1541, 34.4849

Rectangle

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



29.2318, 30.1541, 33.1338



29.1079, 30.1541, 31.7919



28.0968, 30.1541, 32.5334



28.2178, 30.1541, 33.8960

Sweetspot

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



29.2327, 30.1554, 33.1345



53.6319, 56.0842, 61.2471



29.1032, 30.0604, 34.4058



11.8504, 12.3970, 13.5358



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.



29.2327, 30.1554, 33.1345



51.8968, 53.2662, 58.6581



29.1517, 30.2487, 32.3206



6.6245, 6.7767, 7.4735



11.5726, 5.8833, 4.2742



0.1902, 0.0948, 0.1546

Inverse Universe

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



29.2327, 30.1554, 33.1345



51.8968, 53.2662, 58.6581



29.2730, 31.2157, 34.6198



6.6245, 6.7767, 7.4735



11.5726, 5.8833, 4.2742



0.1902, 0.0948, 0.1546

Previews

White Background



This preview shows how the XYZ color 29.2318, 30.1541, 33.1338 looks on a white background.

Color Contrast Check

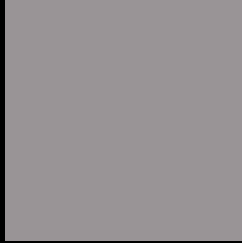
Large Text (above 18pt) WCAG AA × Fail

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 29.2318, 30.1541, 33.1338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

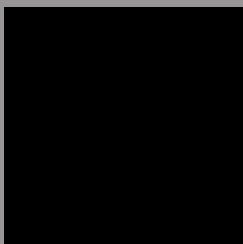
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

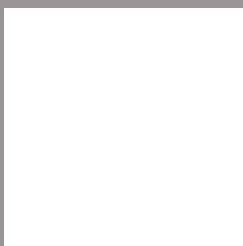
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2318, 30.1541, 33.1338

Background



This preview shows how black text looks on a background with the XYZ color 29.2318, 30.1541, 33.1338.



This preview shows how white text looks on a background with the XYZ color 29.2318, 30.1541,

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

29.2318, 30.1541, 33.1338

Protanopia

28.8574, 29.9611, 33.1163

Deuteranopia

30.8156, 30.2717, 33.4970



Tritanopia

29.9317, 30.2061, 36.6005

Trichromacy



Original Color

29.2318, 30.1541, 33.1338

Protanomaly

29.0438, 30.0572, 33.1250

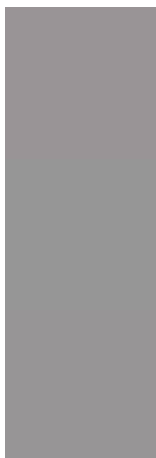
Deuteranomaly

30.1629, 30.1631, 33.5105

Tritanomaly

29.6765, 30.1040, 35.2569

Monochromacy



Original Color

29.2318, 30.1541, 33.1338

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.0150, 30.2762, 33.1688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2318, 30.1541, 33.1338 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(153, 148, 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(153, 148, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 148, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.2318, 30.1541, 33.1338 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, 150) }
```


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

```
.border{ border-color:rgb(153, 148, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 148, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 148, 150);  
box-shadow:4px 4px 4px 4px rgb(153, 148,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2318, 30.1541, 33.1338 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, 150) }
```

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

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