

Converting Colors

XYZ(29.1034, 30.2357, 32.4684)

Have a look what the booklet for
XYZ(29.1034, 30.2357, 32.4684)
contains.

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Color

**XYZ(29.2296, 30.4053,
32.3452)**

Conversions

Conversions Part 1

Format	Color
Hex	999594
RGB	153, 149, 148
RGB Percent	60%, 58%, 58%
CMY	0.4000, 0.4157, 0.4196
CMYK	0.00, 0.03, 0.03, 0.40
HSL	12°, 2%, 59%
HSV	12°, 3%, 60%
XYZ	29.2296, 30.4053, 32.3452
YIQ	150.0820, 2.7050, 0.5370

Conversions

Conversions Part 2

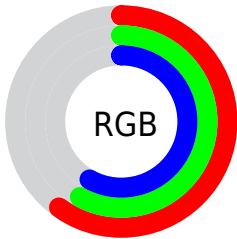
Format	Color
R _Y B	153, 149, 148
Decimal	10065300
CIE Lab	62.00, 1.28, 1.04
CIE LCh	62, 1.645, 39.141
Yxy	30.4053, 0.3178, 0.3306
Android (android.graphics.Color)	4288255380 (0xFF999594)
YUV	150.0820, -1.0264, 2.5591
Hunter-Lab	55.1410, -1.8760, 3.8197

Details

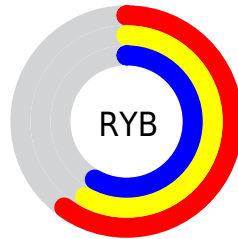
The XYZ color **29.2296, 30.4053, 32.3452** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1907, 31.0518, 34.5925**, and the grayscale version is **29.0283, 30.5401, 33.2581**.

A 20% lighter version of the original color is **57.7487, 60.2415, 64.4612**, and **12.0048, 12.4232, 13.0745** is the 20% darker color. If you saturate the color by 10%, you get **26.2633, 26.2841, 25.7713**, and if you desaturate by 10%, it is **32.5610, 34.9997, 39.8314**.

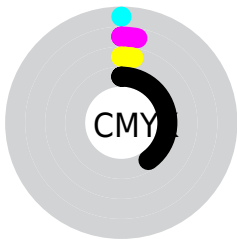
Distribution



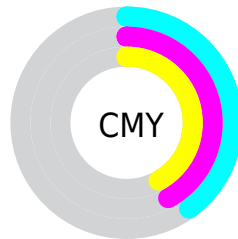
- Red (60%)
- Green (58%)
- Blue (58%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2296, 30.4053, 32.3452 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 29.2296, 30.4053, 32.3452 by changing the saturation by 10% instead.

■ 29.2296, 30.4053,
32.3452

■ 29.2296, 30.4053,
32.3452

290.2714,
303.7891, 327.2298

■ 19.3997, 20.1464,
21.3583

■ 57.8367, 60.3025,
64.4560

■ 12.0652, 12.5015,
13.1924

■ 77.3447, 80.7097,
86.4171

■ 6.8606, 7.0862,
7.4289

100.8094,
105.2684, 112.8732

■ 3.4206, 3.5161,
3.6492

128.5962,
134.3631, 144.2431

■ 1.3799, 1.4067,
1.4350

161.0704,
168.3781, 180.9451

■ 0.2418, 0.2217,
0.1688

198.5975,

■ 0.0000, 0.0000,

207.6978, 223.3979

0.0000

241.5427,
252.7067, 272.0199

■ 29.2296, 30.4053,
32.3452

■ 29.2296, 30.4053,
32.3452

■ 26.2633, 26.2841,
25.7713

■ 32.5610, 34.9997,
39.8314

■ 23.6471, 22.6173,
20.0727

■ 36.2668, 40.0776,
48.2610

■ 21.3686, 19.3902,
15.2130

■ 40.3591, 45.6541,
57.6658

■ 19.4137, 16.5863,
11.1524

■ 44.8489, 51.7424,
68.0759

■ 17.7675, 14.1878,
7.8479

■ 49.7465, 58.3550,
79.5199

■ 16.4136, 12.1756,
5.2522

■ 55.0619, 65.5042,
92.0251

■ 15.3342, 10.5292,
3.3129

■ 60.7885, 73.1952,
105.5319

■ 14.5094, 9.2259,
1.9701

■ 64.4044, 80.4271,
106.7373

■ 13.9163, 8.2406,
1.1529

■ 66.9470, 85.5124,
107.5848

Harmonies

Analogous

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



29.3202, 30.4053, 32.9136



29.2296, 30.4053, 32.3452



29.0506, 30.4053, 31.9838

Triad

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



29.2296, 30.4053, 32.3452



28.5047, 30.4053, 32.6755



28.9668, 30.4053, 34.3203

Complementary

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



29.2296, 30.4053, 32.3452



29.1907, 31.0518, 34.5925

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.



28.7485, 30.4053, 34.2545



29.2296, 30.4053, 32.3452



28.4825, 30.4053, 33.2996

Square

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



29.2296, 30.4053, 32.3452



28.6324, 30.4053, 32.1728



28.5715, 30.4053, 33.8790



29.1679, 30.4053, 34.0575

Rectangle

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



29.2296, 30.4053, 32.3452



28.9057, 30.4053, 31.9062



28.5715, 30.4053, 33.8790



28.8930, 30.4053, 34.3359

Sweetspot

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



29.2305, 30.4066, 32.3459



53.6312, 56.2290, 60.7965



29.3947, 30.2196, 33.9899



11.8503, 12.4270, 13.4424



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.



29.2305, 30.4066, 32.3459



51.8928, 53.8242, 56.9120



29.6298, 31.2054, 32.4790



6.6239, 6.8572, 7.2214



11.2756, 6.4337, 0.6475



0.1901, 0.1392, 0.0168

Inverse Universe

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



29.1907, 31.0518, 34.5925



51.8044, 55.2589, 61.9076



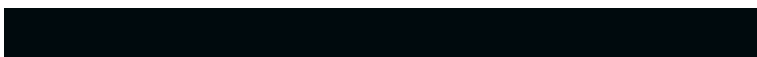
28.7897, 30.2497, 34.4588



6.6111, 7.0647, 7.9442



10.5599, 13.5166, 26.9601



0.1817, 0.2497, 0.4110

Previews

White Background



This preview shows how the XYZ color 29.2296, 30.4053, 32.3452 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 29.2296, 30.4053, 32.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

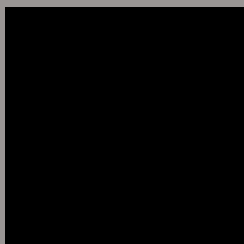
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

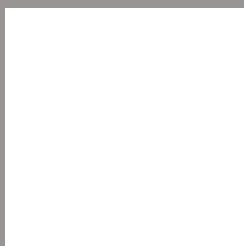
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2296, 30.4053, 32.3452

Background



This preview shows how black text looks on a background with the XYZ color 29.2296, 30.4053, 32.3452.



This preview shows how white text looks on a background with the XYZ color 29.2296, 30.4053,

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

29.2296, 30.4053, 32.3452

Protanopia

29.2296, 30.4053, 32.3452

Deuteranopia

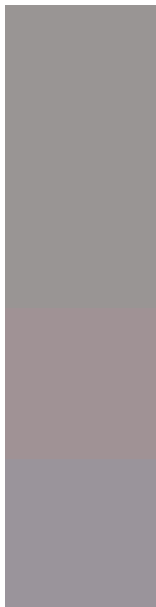
30.8601, 30.3132, 32.6583



Tritanopia

30.2093, 30.3392, 37.0647

Trichromacy



Original Color

29.2296, 30.4053, 32.3452

Protanomaly

29.2296, 30.4053, 32.3452

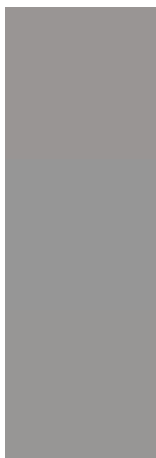
Deuteranomaly

30.2009, 30.2013, 32.6714

Tritanomaly

29.8327, 30.4164, 35.3089

Monochromacy



Original Color

29.2296, 30.4053, 32.3452

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.0937, 30.5619, 32.7994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2296, 30.4053, 32.3452 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, 149, 148)` looks like.

```
.text, #text, p{  
  color:rgb(153, 149, 148)  
}
```

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, 149, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 149, 148) }
```

Border

The CSS property to change the border of an element to XYZ 29.2296, 30.4053, 32.3452 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, 149, 148) }
```


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

```
.border{ border-color:rgb(153, 149, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 149, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 149, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 149, 148);  
box-shadow:4px 4px 4px 4px rgb(153, 149,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2296, 30.4053, 32.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 149, 148) }
```

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

```
.background{ background-color: rgb(153,  
149, 148) }
```

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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