

Converting Colors

XYZ(29.3888, 30.6108, 32.3769)

Have a look what the booklet for
XYZ(29.3888, 30.6108, 32.3769)
contains.

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Color

**XYZ(29.3885, 30.7231,
32.3982)**

Conversions

Conversions Part 1

Format	Color
Hex	999694
RGB	153, 150, 148
RGB Percent	60%, 59%, 58%
CMY	0.4000, 0.4118, 0.4196
CMYK	0.00, 0.02, 0.03, 0.40
HSL	24°, 2%, 59%
HSV	24°, 3%, 60%
XYZ	29.3885, 30.7231, 32.3982
YIQ	150.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

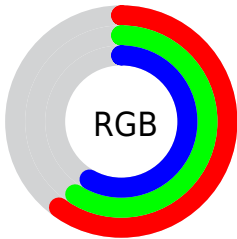
Format	Color
R _Y B	153, 151, 148
Decimal	10065556
CIE Lab	62.27, 0.72, 1.43
CIE LCh	62, 1.603, 63.345
Yxy	30.7231, 0.3177, 0.3321
Android (android.graphics.Color)	4288255636 (0xFF999694)
YUV	150.6690, -1.3158, 2.0443
Hunter-Lab	55.4284, -2.3579, 4.1446

Details

The XYZ color **29.3885, 30.7231, 32.3982** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.0291, 30.7286, 34.5386**, and the grayscale version is **29.2794, 30.8042, 33.5458**.

A 20% lighter version of the original color is **57.9857, 60.7154, 64.5402**, and **12.0990, 12.6115, 13.1058** is the 20% darker color. If you saturate the color by 10%, you get **26.8502, 27.4578, 25.9669**, and if you desaturate by 10%, it is **32.2033, 34.2842, 39.7122**.

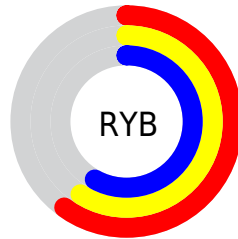
Distribution



Red (60%)

Green (59%)

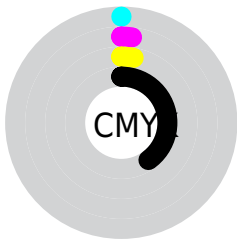
Blue (58%)



Red (60%)

Yellow (59%)

Blue (58%)

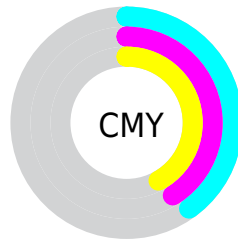


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (40%)



Cyan (40%)

Magenta (41%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3885, 30.7231, 32.3982 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 29.3885, 30.7231, 32.3982 by changing the saturation by 10% instead.

■ 29.3885, 30.7231,
32.3982

■ 29.3885, 30.7231,
32.3982

291.0049,
305.2606, 327.4777

■ 19.5207, 20.3881,
21.3985

■ 58.0871, 60.8039,
64.5400

■ 12.1533, 12.6775,
13.2215

■ 77.6485, 81.3184,
86.5191

■ 6.9211, 7.2068,
7.4487

101.1719,
105.9949, 112.9951

■ 3.4587, 3.5918,
3.6616

129.0225,
135.2177, 144.3866

■ 1.4007, 1.4479,
1.4416

161.5658,
169.3713, 181.1121

■ 0.2567, 0.2517,
0.1739

199.1670,

■ 0.0000, 0.0000,

208.8401, 223.5900

0.0000

242.1916,
254.0084, 272.2390

■ 29.3885, 30.7231,
32.3982

■ 29.3885, 30.7231,
32.3982

■ 26.8502, 27.4578,
25.9669

■ 32.2033, 34.2842,
39.7122

■ 24.5768, 24.4767,
20.3826

■ 35.3003, 38.1446,
47.9388

■ 22.5600, 21.7730,
15.6102

■ 38.6884, 42.3127,
57.1090

■ 20.7897, 19.3383,
11.6111

■ 42.3754, 46.7954,
67.2515

■ 19.2554, 17.1636,
8.3439

■ 46.3687, 51.5994,
78.3940

■ 17.9455, 15.2394,
5.7628

■ 50.6753, 56.7310,
90.5630

■ 16.8475, 13.5557,
3.8173

■ 55.2858, 62.1900,
103.6977

■ 15.9471, 12.1012,
2.4493

■ 57.6758, 66.9700,
104.4944

■ 15.2279, 10.8639,
1.5901

■ 60.1986, 72.0156,
105.3353

Harmonies

Analogous

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



29.5505, 30.7231, 32.8013



29.3885, 30.7231, 32.3982



29.1771, 30.7231, 32.2763

Triad

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



29.3885, 30.7231, 32.3982



28.7879, 30.7231, 33.5218



29.4308, 30.7231, 34.4579

Complementary

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



29.3885, 30.7231, 32.3982



29.0291, 30.7286, 34.5386

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.



29.2257, 30.7231, 34.6563



29.3885, 30.7231, 32.3982



28.8551, 30.7231, 34.1117

Square

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



29.3885, 30.7231, 32.3982



28.8310, 30.7231, 32.9203



29.0151, 30.7231, 34.5289



29.5749, 30.7231, 33.9898

Rectangle

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



29.3885, 30.7231, 32.3982



29.0368, 30.7231, 32.3697



29.0151, 30.7231, 34.5289



29.3666, 30.7231, 34.5586

Sweetspot

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



29.3894, 30.7244, 32.3989



53.7218, 56.4102, 60.8267



29.3131, 30.1870, 33.5603



11.8691, 12.4645, 13.4487



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.



29.3894, 30.7244, 32.3989



52.2454, 54.5293, 57.0295



29.7921, 31.5300, 32.5331



6.6748, 6.9591, 7.2384



12.2801, 8.4426, 0.9824



0.2177, 0.1945, 0.0261

Inverse Universe

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



29.0291, 30.7286, 34.5386



51.4443, 54.5386, 61.7876



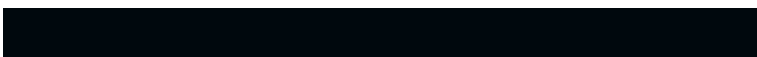
28.6315, 29.9333, 34.4060



6.5590, 6.9604, 7.9268



7.9282, 8.2530, 26.0828



0.1540, 0.1943, 0.4018

Previews

White Background



This preview shows how the XYZ color 29.3885, 30.7231, 32.3982 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 29.3885, 30.7231, 32.3982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

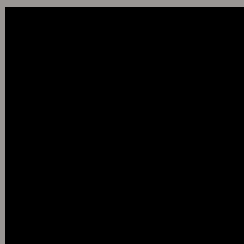
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

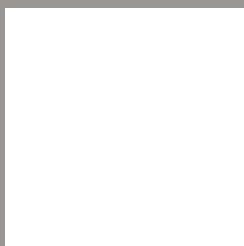
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3885, 30.7231, 32.3982

Background



This preview shows how black text looks on a background with the XYZ color 29.3885, 30.7231, 32.3982.



This preview shows how white text looks on a background with the XYZ color 29.3885, 30.7231,

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

29.3885, 30.7231, 32.3982

Protanopia

29.5781, 30.8208, 32.4071

Deuteranopia

31.4296, 30.8347, 32.7289



Tritanopia

30.4526, 30.6864, 37.5758

Trichromacy



Original Color

29.3885, 30.7231, 32.3982

Protanomaly

29.5781, 30.8208, 32.4071

Deuteranomaly

30.5565, 30.6144, 32.7324

Tritanomaly

30.0746, 30.7652, 35.8057

Monochromacy



Original Color

29.3885, 30.7231, 32.3982

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5205, 31.0106, 33.2839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3885, 30.7231, 32.3982 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, 150, 148)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 29.3885, 30.7231, 32.3982 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, 150, 148) }
```


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

```
.border{ border-color:rgb(153, 150, 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, 150, 148)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 29.3885, 30.7231, 32.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 150, 148) }
```

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

```
.background{ background-color: rgb(153,  
150, 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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