

Converting Colors

XYZ(31.0430, 32.2985, 31.3046)

Have a look what the booklet for
XYZ(31.0430, 32.2985, 31.3046)
contains.

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Color

**XYZ(30.9993, 32.3004,
31.3888)**

Conversions

Conversions Part 1

Format	Color
Hex	A09991
RGB	160, 153, 145
RGB Percent	63%, 60%, 57%
CMY	0.3725, 0.4000, 0.4314
CMYK	0.00, 0.04, 0.09, 0.37
HSL	32°, 7%, 60%
HSV	32°, 9%, 63%
XYZ	30.9993, 32.3004, 31.3888
YIQ	154.1810, 6.7400, -1.0040

Conversions

Conversions Part 2

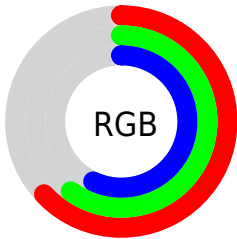
Format	Color
RYB	158, 160, 145
Decimal	10525073
CIELab	63.59, 1.11, 5.10
CIELCh	64, 5.224, 77.742
Yxy	32.3004, 0.3274, 0.3411
Android (android.graphics.Color)	4288715153 (0xFFA09991)
YUV	154.1810, -4.5262, 5.1033
Hunter-Lab	56.8334, -2.0973, 7.0379

Details

The XYZ color **30.9993, 32.3004, 31.3888** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.2504, 31.0138, 37.7027**, and the grayscale version is **30.8126, 32.4172, 35.3024**.

A 20% lighter version of the original color is **60.6460, 63.1962, 63.0345**, and **13.0013, 13.5171, 12.7503** is the 20% darker color. If you saturate the color by 10%, you get **28.6681, 29.4751, 24.9475**, and if you desaturate by 10%, it is **33.5825, 35.3509, 38.7722**.

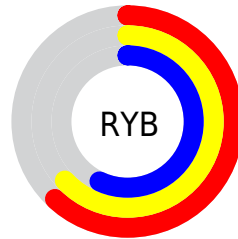
Distribution



Red (63%)

Green (60%)

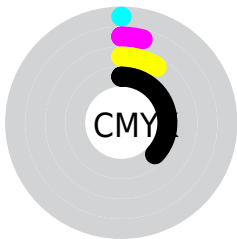
Blue (57%)



Red (62%)

Yellow (63%)

Blue (57%)

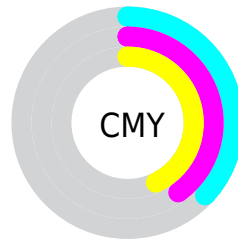


Cyan (0%)

Magenta (4%)

Yellow (9%)

Black (37%)



Cyan (37%)

Magenta (40%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9993, 32.3004, 31.3888 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 30.9993, 32.3004, 31.3888 by changing the saturation by 10% instead.

■ 30.9993, 32.3004,
31.3888

■ 30.9993, 32.3004,
31.3888

298.3620,
312.4854, 322.7320

■ 20.7501, 21.5911,
20.6341

■ 60.6148, 63.2817,
62.9384

■ 13.0529, 13.5567,
12.6682

■ 80.7119, 84.3225,
84.5705

■ 7.5422, 7.8130,
7.0724

104.8223,
109.5759, 110.6654

■ 3.8528, 3.9755,
3.4283

133.3114,
139.4262, 141.6417

■ 1.6192, 1.6599,
1.3173

166.5446,
174.2579, 177.9180

■ 0.4049, 0.3975,
0.0759

204.8872,

■ 0.0000, 0.0000,

214.4555, 219.9128

0.0000

248.7045,
260.4031, 268.0446

■ 30.9993, 32.3004,
31.3888

■ 30.9993, 32.3004,
31.3888

■ 28.6681, 29.4751,
24.9475

■ 33.5825, 35.3509,
38.7722

■ 26.5776, 26.8650,
19.4077

■ 36.4232, 38.6279,
47.1319

■ 24.7196, 24.4657,
14.7290

■ 39.5301, 42.1377,
56.5028

■ 23.0842, 22.2709,
10.8668

■ 42.9104, 45.8856,
66.9177

■ 21.6608, 20.2739,
7.7727

■ 46.5714, 49.8764,
78.4078

■ 20.4379, 18.4676,
5.3932

■ 50.5198, 54.1146,
91.0029

■ 19.4023, 16.8442,
3.6675

■ 54.4382, 58.4754,
103.0254

■ 18.5389, 15.3949,
2.5247

■ 56.2693, 62.1375,
103.6358

■ 17.8173, 14.1047,
1.8121

■ 58.1867, 65.9723,
104.2749

Harmonies

Analogous

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



31.6534, 32.3004, 32.2798



30.9993, 32.3004, 31.3888



30.2752, 32.3004, 31.4811

Triad

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



30.9993, 32.3004, 31.3888



29.3841, 32.3004, 36.4079



31.7503, 32.3004, 37.9405

Complementary

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



30.9993, 32.3004, 31.3888



29.2504, 31.0138, 37.7027

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.



31.1299, 32.3004, 39.1356



30.9993, 32.3004, 31.3888



29.7670, 32.3004, 38.2270

Square

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



30.9993, 32.3004, 31.3888



29.3503, 32.3004, 34.3237



30.4037, 32.3004, 39.2425



32.0916, 32.3004, 36.0294

Rectangle

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



30.9993, 32.3004, 31.3888



29.8501, 32.3004, 32.0880



30.4037, 32.3004, 39.2425



31.5671, 32.3004, 38.4425

Sweetspot

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



31.0002, 32.3018, 31.3895



59.1949, 62.0998, 65.2584



30.2905, 29.9918, 33.8987



12.9016, 13.5243, 14.0807



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



31.0002, 32.3018, 31.3895



55.4752, 57.6772, 54.7185



32.0795, 34.6085, 31.7779



6.9113, 7.2027, 7.0117



13.8905, 11.0167, 1.3943



0.2905, 0.2813, 0.0390

Inverse Universe

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



29.2504, 31.0138, 37.7027



51.7220, 54.9144, 68.2600



28.2364, 28.8546, 37.3394



6.5270, 6.9198, 8.3983



6.9269, 5.9454, 26.6897



0.1658, 0.1903, 0.4912

Previews

White Background



This preview shows how the XYZ color 30.9993, 32.3004, 31.3888 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 30.9993, 32.3004, 31.3888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

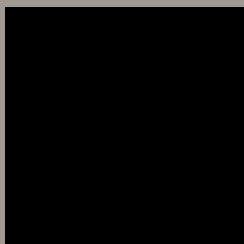
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

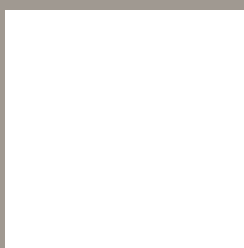
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9993, 32.3004, 31.3888

Background



This preview shows how black text looks on a background with the XYZ color 30.9993, 32.3004, 31.3888.

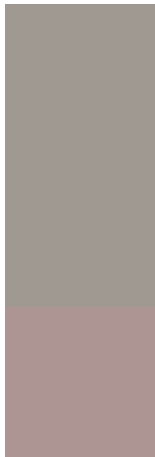


This preview shows how white text looks on a background with the XYZ color 30.9993, 32.3004,

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

30.9993, 32.3004, 31.3888

Protanopia

30.8001, 32.1977, 31.3795

Deuteranopia

32.9490, 32.3409, 31.6999



Tritanopia

32.3282, 32.1027, 38.6750

Trichromacy



Original Color

30.9993, 32.3004, 31.3888

Protanomaly

30.8001, 32.1977, 31.3795

Deuteranomaly

32.2431, 32.2128, 31.7124

Tritanomaly

31.7653, 32.1106, 35.9762

Monochromacy



Original Color

30.9993, 32.3004, 31.3888

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.8518, 32.4135, 33.9085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9993, 32.3004, 31.3888 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(160, 153, 145)` looks like.

```
.text, #text, p{  
    color:rgb(160, 153, 145)  
}
```

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(160, 153, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 153, 145) }
```

Border

The CSS property to change the border of an element to XYZ 30.9993, 32.3004, 31.3888 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(160, 153, 145) }
```


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

```
.border{ border-color:rgb(160, 153, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 153, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 153, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 153, 145); box-shadow:4px 4px 4px 4px rgb(160, 153, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9993, 32.3004, 31.3888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 153, 145) }
```

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

```
.background{ background-color: rgb(160,  
153, 145) }
```

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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