

Converting Colors

XYZ(29.9700, 32.4002, 31.3276)

Have a look what the booklet for
XYZ(29.9700, 32.4002, 31.3276)
contains.

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Color

**XYZ(30.1362, 32.5936,
31.4909)**

Conversions

Conversions Part 1

Format	Color
Hex	999C91
RGB	153, 156, 145
RGB Percent	60%, 61%, 57%
CMY	0.4000, 0.3882, 0.4314
CMYK	0.02, 0.00, 0.07, 0.39
HSL	76°, 5%, 59%
HSV	76°, 7%, 61%
XYZ	30.1362, 32.5936, 31.4909
YIQ	153.8490, 1.7430, -4.0570

Conversions

Conversions Part 2

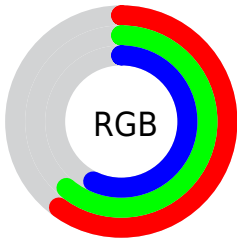
Format	Color
RYB	145, 156, 148
Decimal	10067089
CIELab	63.83, -3.15, 5.38
CIELCh	64, 6.231, 120.369
Yxy	32.5936, 0.3198, 0.3459
Android (android.graphics.Color)	4288257169 (0xFF999C91)
YUV	153.8490, -4.3626, -0.7446
Hunter-Lab	57.0908, -5.6851, 7.2596

Details

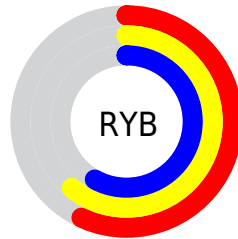
The XYZ color **30.1362, 32.5936, 31.4909** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.3401, 28.9479, 35.5480**, and the grayscale version is **30.6677, 32.2648, 35.1364**.

A 20% lighter version of the original color is **59.0875, 63.4821, 63.1719**, and **12.5966, 13.7542, 12.8174** is the 20% darker color. If you saturate the color by 10%, you get **28.2259, 31.7393, 25.5475**, and if you desaturate by 10%, it is **32.2422, 33.5316, 38.3072**.

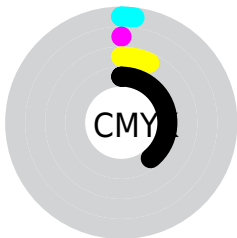
Distribution



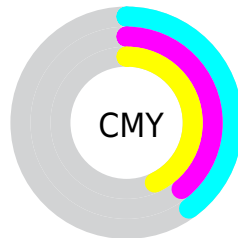
- Red (60%)
- Green (61%)
- Blue (57%)



- Red (57%)
- Yellow (61%)
- Blue (58%)



- Cyan (2%)
- Magenta (0%)
- Yellow (7%)
- Black (39%)



- Cyan (40%)
- Magenta (39%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1362, 32.5936, 31.4909 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 30.1362, 32.5936, 31.4909 by changing the saturation by 10% instead.

■ 30.1362, 32.5936,
31.4909

■ 30.1362, 32.5936,
31.4909

294.4372,
313.8145, 323.2145

■ 20.0906, 21.8153,
20.7113

■ 59.2627, 63.7405,
63.1007

■ 12.5695, 13.7212,
12.7240

■ 79.0742, 84.8779,
84.7681

■ 7.2078, 7.9270,
7.1103

102.8718,
110.2372, 110.9018

■ 3.6399, 4.0483,
3.4517

131.0207,
140.2026, 141.9204

■ 1.5005, 1.7006,
1.3296

163.8863,
175.1587, 178.2424

■ 0.3262, 0.4241,
0.0859

201.8341,

■ 0.0000, 0.0000,

215.4897, 220.2864

0.0000

245.2293,
261.5802, 268.4709

■ 30.1362, 32.5936,
31.4909

■ 30.1362, 32.5936,
31.4909

■ 28.2259, 31.7393,
25.5475

■ 32.2422, 33.5316,
38.3072

■ 26.5016, 30.9617,
20.4395

■ 34.5478, 34.5517,
46.0274

■ 24.9568, 30.2591,
16.1301

■ 37.0602, 35.6579,
54.6838

■ 23.5835, 29.6283,
12.5787

■ 39.7854, 36.8526,
64.3063

■ 22.3730, 29.0658,
9.7412

■ 42.7290, 38.1381,
74.9236

■ 21.3158, 28.5678,
7.5689

■ 45.8965, 39.5167,
86.5631

■ 20.4011, 28.1299,
6.0073

■ 49.2933, 40.9905,
99.2511

■ 19.6165, 27.7471,
4.9929

■ 50.4480, 41.5710,
99.9728

■ 18.9427, 27.4116,
4.4246

■ 51.5057, 42.1162,
100.0223

Harmonies

Analogous

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



30.9684, 32.5936, 30.8843



30.1362, 32.5936, 31.4909



29.5393, 32.5936, 33.1590

Triad

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



30.1362, 32.5936, 31.4909



30.1546, 32.5936, 39.8452



32.6927, 32.5936, 35.4579

Complementary

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



30.1362, 32.5936, 31.4909



28.3401, 28.9479, 35.5480

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.



32.4652, 32.5936, 37.9255



30.1362, 32.5936, 31.4909



30.9901, 32.5936, 40.5298

Square

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



30.1362, 32.5936, 31.4909



29.5499, 32.5936, 37.9817



31.8379, 32.5936, 39.8117



32.4540, 32.5936, 33.1076

Rectangle

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



30.1362, 32.5936, 31.4909



29.3495, 32.5936, 34.6887



31.8379, 32.5936, 39.8117



32.6682, 32.5936, 36.3013

Sweetspot

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



30.1371, 32.5950, 31.4916



56.6065, 60.0327, 63.1986



29.4017, 30.2722, 31.0820



12.4663, 13.2144, 13.9400



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



30.1371, 32.5950, 31.4916



54.3338, 59.0197, 55.9245



29.1349, 32.0783, 31.4447



6.9935, 7.6293, 7.0897



15.4812, 22.5176, 3.5304



0.3148, 0.4222, 0.0649

Inverse Universe

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



28.3401, 28.9479, 35.5480



50.5862, 51.4135, 64.3844



29.3461, 29.4665, 35.5951



6.4462, 6.5185, 8.3251



5.7785, 2.4079, 26.0675



0.1406, 0.0623, 0.4678

Previews

White Background



This preview shows how the XYZ color 30.1362, 32.5936, 31.4909 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 30.1362, 32.5936, 31.4909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

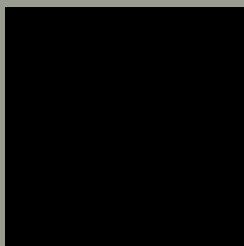
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

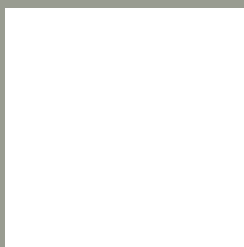
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1362, 32.5936, 31.4909

Background



This preview shows how black text looks on a background with the XYZ color 30.1362, 32.5936, 31.4909.



This preview shows how white text looks on a background with the XYZ color 30.1362, 32.5936,

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

30.1362, 32.5936, 31.4909

Protanopia

31.0868, 32.5984, 31.0392

Deuteranopia

32.9490, 32.3409, 31.6999



Tritanopia

31.8931, 32.5670, 40.2024

Trichromacy



Original Color

30.1362, 32.5936, 31.4909

Protanomaly

30.6600, 32.6244, 31.0667

Deuteranomaly

31.9336, 32.5311, 31.7902

Tritanomaly

31.2447, 32.5484, 36.9834

Monochromacy



Original Color

30.1362, 32.5936, 31.4909

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.6337, 32.5471, 33.9458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1362, 32.5936, 31.4909 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, 156, 145)` looks like.

```
.text, #text, p{  
    color:rgb(153, 156, 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(153, 156, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 156, 145) }
```

Border

The CSS property to change the border of an element to XYZ 30.1362, 32.5936, 31.4909 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, 156, 145) }
```


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

```
.border{ border-color:rgb(153, 156, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 156, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 156, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 156, 145);  
box-shadow:4px 4px 4px 4px rgb(153, 156,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1362, 32.5936, 31.4909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 156, 145) }
```

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

```
.background{ background-color: rgb(153,  
156, 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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