

Converting Colors

XYZ(31.7826, 32.4233, 36.9270)

Have a look what the booklet for
XYZ(31.7826, 32.4233, 36.9270)
contains.

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Color

**XYZ(31.6979, 32.2960,
36.9109)**

Conversions

Conversions Part 1

Format	Color
Hex	9F989E
RGB	159, 152, 158
RGB Percent	62%, 60%, 62%
CMY	0.3765, 0.4039, 0.3804
CMYK	0.00, 0.04, 0.01, 0.38
HSL	309°, 4%, 61%
HSV	309°, 4%, 62%
XYZ	31.6979, 32.2960, 36.9109
YIQ	154.7770, 2.2460, 3.3500

Conversions

Conversions Part 2

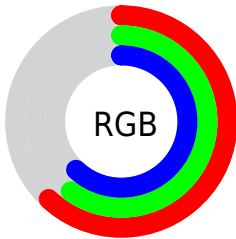
Format	Color
R_{YB}	159, 152, 158
Decimal	10459294
CIE Lab	63.59, 3.69, -2.23
CIE LCh	64, 4.315, 328.809
Yxy	32.2960, 0.3141, 0.3201
Android (android.graphics.Color)	4288649374 (0xFF9F989E)
YUV	154.7770, 1.5889, 3.7036
Hunter-Lab	56.8296, 0.1104, 1.2717

Details

The XYZ color **31.6979, 32.2960, 36.9109** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.0980, 33.7725, 35.0183**, and the grayscale version is **31.0504, 32.6675, 35.5749**.

A 20% lighter version of the original color is **61.8131, 63.2429, 71.9000**, and **13.4919, 13.5570, 15.8156** is the 20% darker color. If you saturate the color by 10%, you get **29.0949, 27.3997, 35.0874**, and if you desaturate by 10%, it is **34.6523, 37.8885, 38.8702**.

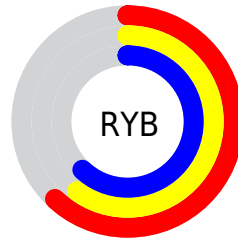
Distribution



Red (62%)

Green (60%)

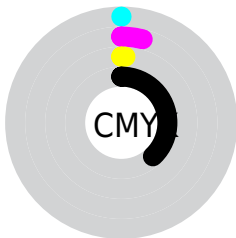
Blue (62%)



Red (62%)

Yellow (60%)

Blue (62%)

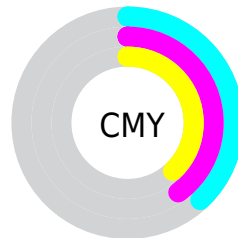


Cyan (0%)

Magenta (4%)

Yellow (1%)

Black (38%)



Cyan (38%)

Magenta (40%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6979, 32.2960, 36.9109 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 31.6979, 32.2960, 36.9109 by changing the saturation by 10% instead.

■ 31.6979, 32.2960,
36.9109

■ 31.6979, 32.2960,
36.9109

301.5106,
312.4654, 348.0817

■ 21.2853, 21.5877,
24.8433

■ 61.7056, 63.2748,
71.6205

■ 13.4463, 13.5543,
15.7424

■ 82.0314, 84.3141,
95.0996

■ 7.8157, 7.8113,
9.1897

106.3922,
109.5659, 123.2196

■ 4.0281, 3.9744,
4.7666

135.1536,
139.4145, 156.3990

■ 1.7180, 1.6593,
2.0546

168.6807,
174.2444, 195.0563

■ 0.4675, 0.3971,
0.5886

207.3390,

■ 0.0000, 0.0000,

214.4399, 239.6102

0.0000

251.4939,
260.3855, 290.4791

■ 31.6979, 32.2960,
36.9109

■ 31.6979, 32.2960,
36.9109

■ 29.0949, 27.3997,
35.0874

■ 34.6523, 37.8885,
38.8702

■ 26.8268, 23.1680,
33.3929

■ 37.9684, 44.1987,
40.9676

■ 24.8801, 19.5732,
31.8232

■ 41.6592, 51.2527,
43.2079

■ 23.2390, 16.5840,
30.3729

■ 45.7364, 59.0736,
45.5951

■ 21.8865, 14.1664,
29.0363

■ 50.2112, 67.6839,
48.1332

■ 20.8040, 12.2830,
27.8070

■ 55.0944, 77.1048,
50.8256

■ 19.9706, 10.8923,
26.6780

■ 57.6894, 81.9435,
52.7737

■ 19.3622, 9.9461,
25.6413

■ 57.9127, 82.0328,
53.9498

■ 18.9498, 9.3863,
24.6869

■ 58.1398, 82.1237,
55.1457

Harmonies

Analogous

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



31.2579, 32.2960, 38.1523



31.6979, 32.2960, 36.9109



31.8690, 32.2960, 35.2338

Triad

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



31.6979, 32.2960, 36.9109



30.7205, 32.2960, 31.9516



29.6926, 32.2960, 36.7877

Complementary

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



31.6979, 32.2960, 36.9109



31.0980, 33.7725, 35.0183

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.



29.5529, 32.2960, 35.0960



31.6979, 32.2960, 36.9109



30.1416, 32.2960, 32.3376

Square

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



31.6979, 32.2960, 36.9109



31.3001, 32.2960, 32.4029



29.7162, 32.2960, 33.4748



30.1004, 32.2960, 38.0795

Rectangle

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



31.6979, 32.2960, 36.9109



31.8059, 32.2960, 34.1062



29.7162, 32.2960, 33.4748



29.6130, 32.2960, 36.2452

Sweetspot

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



31.6988, 32.2974, 36.9116



58.4863, 61.0857, 67.2631



30.6119, 31.7271, 37.3120



13.1927, 13.7849, 15.1691



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.



31.6988, 32.2974, 36.9116



56.4251, 57.1923, 65.8697



31.4075, 32.1808, 35.3773



7.0865, 7.1585, 8.2861



14.8302, 7.2367, 19.1548



0.2753, 0.1334, 0.3959

Inverse Universe

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



31.6988, 32.2974, 36.9116



56.4251, 57.1923, 65.8697



31.3856, 33.8876, 36.5329



7.0865, 7.1585, 8.2861



14.8302, 7.2367, 19.1548



0.2753, 0.1334, 0.3959

Previews

White Background



This preview shows how the XYZ color 31.6979, 32.2960, 36.9109 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 31.6979, 32.2960, 36.9109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

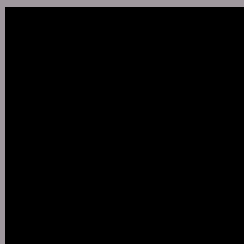
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

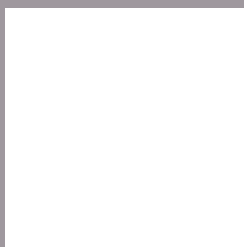
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6979, 32.2960, 36.9109

Background



This preview shows how black text looks on a background with the XYZ color 31.6979, 32.2960, 36.9109.



This preview shows how white text looks on a background with the XYZ color 31.6979, 32.2960,

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

31.6979, 32.2960, 36.9109

Protanopia

31.1668, 32.2542, 37.3839

Deuteranopia

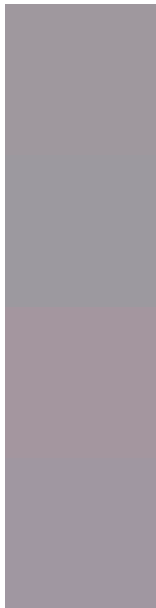
32.9418, 32.2136, 37.2825



Tritanopia

32.1747, 32.2511, 39.1796

Trichromacy



Original Color

31.6979, 32.2960, 36.9109

Protanomaly

31.3595, 32.3536, 37.3929

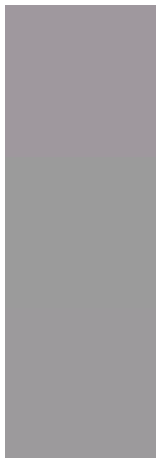
Deuteranomaly

32.4742, 32.2084, 37.3062

Tritanomaly

31.9968, 32.1800, 38.2432

Monochromacy



Original Color

31.6979, 32.2960, 36.9109

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2667, 32.5794, 36.0930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6979, 32.2960, 36.9109 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(159, 152, 158)` looks like.

```
.text, #text, p{  
    color:rgb(159, 152, 158)  
}
```

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(159, 152, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 152, 158) }
```

Border

The CSS property to change the border of an element to XYZ 31.6979, 32.2960, 36.9109 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(159, 152, 158) }
```


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

```
.border{ border-color:rgb(159, 152, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 152, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 152, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 152, 158);  
box-shadow:4px 4px 4px 4px rgb(159, 152,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6979, 32.2960, 36.9109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 152, 158) }
```

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

```
.background{ background-color: rgb(159,  
152, 158) }
```

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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