

Converting Colors

XYZ(31.6739, 32.4913, 41.8003)

Have a look what the booklet for
XYZ(31.6739, 32.4913, 41.8003)
contains.

XYZ(31.5960, 32.3819, 41.6308)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.5960, 32.3819,
41.6308)**

Conversions

Conversions Part 1

Format	Color
Hex	9999A8
RGB	153, 153, 168
RGB Percent	60%, 60%, 66%
CMY	0.4000, 0.4000, 0.3412
CMYK	0.09, 0.09, 0.00, 0.34
HSL	240°, 8%, 63%
HSV	240°, 9%, 66%
XYZ	31.5960, 32.3819, 41.6308
YIQ	154.7100, -4.8150, 4.6650

Conversions

Conversions Part 2

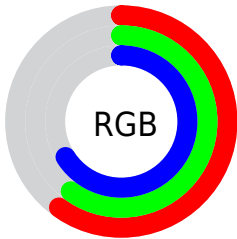
Format	Color
RYB	153, 153, 168
Decimal	10066344
CIELab	63.66, 3.02, -7.82
CIELCh	64, 8.381, 291.084
Yxy	32.3819, 0.2992, 0.3066
Android (android.graphics.Color)	4288256424 (0xFF9999A8)
YUV	154.7100, 6.5520, -1.4997
Hunter-Lab	56.9051, -0.4735, -3.5420

Details

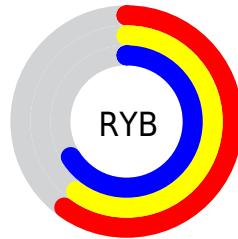
The XYZ color **31.5960, 32.3819, 41.6308** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.9010, 38.6298, 35.7018**, and the grayscale version is **31.0019, 32.6164, 35.5192**.

A 20% lighter version of the original color is **61.3642, 63.2188, 78.7802**, and **13.3832, 13.5885, 18.4405** is the 20% darker color. If you saturate the color by 10%, you get **26.0872, 25.7446, 40.6405**, and if you desaturate by 10%, it is **37.9402, 40.0262, 42.7724**.

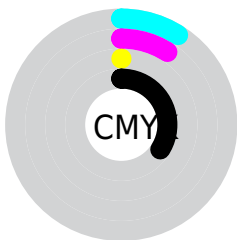
Distribution



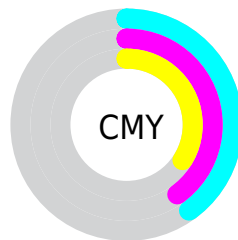
- Red (60%)
- Green (60%)
- Blue (66%)



- Red (60%)
- Yellow (60%)
- Blue (66%)



- Cyan (9%)
- Magenta (9%)
- Yellow (0%)
- Black (34%)



- Cyan (40%)
- Magenta (40%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5960, 32.3819, 41.6308 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 31.5960, 32.3819, 41.6308 by changing the saturation by 10% instead.

■ 31.5960, 32.3819,
41.6308

■ 31.5960, 32.3819,
41.6308

301.0529,
312.8553, 368.7046

■ 21.2072, 21.6534,
28.4889

■ 61.5467, 63.4093,
78.9046

■ 13.3888, 13.6024,
18.4523

■ 81.8392, 84.4770,
103.8736

■ 7.7757, 7.8447,
11.1024

106.1637,
109.7598, 133.6220

■ 4.0023, 3.9957,
6.0207

134.8855,
139.6422, 168.5684

■ 1.7035, 1.6712,
2.7887

168.3700,
174.5085, 209.1313

■ 0.4584, 0.4049,
0.9878

206.9825,

■ 0.0000, 0.0000,

214.7432, 255.7293

0.0000

251.0883,
260.7307, 308.7809

■ 31.5960, 32.3819,
41.6308

■ 31.5960, 32.3819,
41.6308

■ 26.0872, 25.7446,
40.6405

■ 37.9402, 40.0262,
42.7724

■ 21.3764, 20.0685,
39.7932

■ 45.1497, 48.7128,
44.0691

■ 17.4274, 15.3102,
39.0829

■ 53.2561, 58.4801,
45.5271

■ 14.2002, 11.4217,
38.5024

■ 62.2889, 69.3635,
47.1518

■ 11.6513, 8.3503,
38.0439

■ 72.2760, 81.3967,
48.9480

■ 9.7322, 6.0379,
37.6987

■ 83.2443, 94.6121,
50.9208

■ 8.3882, 4.4183,
37.4570

■ 84.0680, 95.6072,
51.0694

■ 7.5553, 3.4146,
37.3071

■ 7.1103, 2.8784,
37.2271

Harmonies

Analogous

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



30.4300, 32.3819, 42.0277



31.5960, 32.3819, 41.6308



32.5653, 32.3819, 39.4708

Triad

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



31.5960, 32.3819, 41.6308



32.2157, 32.3819, 30.4706



28.6046, 32.3819, 34.2674

Complementary

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



31.5960, 32.3819, 41.6308



35.9010, 38.6298, 35.7018

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.



29.0574, 32.3819, 31.3569



31.5960, 32.3819, 41.6308



31.1287, 32.3819, 29.2580

Square

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



31.5960, 32.3819, 41.6308



32.9293, 32.3819, 32.9868



29.9743, 32.3819, 29.5719



28.7225, 32.3819, 37.6319

Rectangle

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



31.5960, 32.3819, 41.6308



32.9599, 32.3819, 37.3927



29.9743, 32.3819, 29.5719



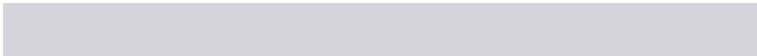
28.6947, 32.3819, 33.2069

Sweetspot

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



31.5970, 32.3833, 41.6315



63.9098, 66.6834, 76.7279



34.1847, 37.5960, 42.3793



13.7308, 14.2946, 16.6876



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.5970, 32.3833, 41.6315



54.9326, 55.8669, 75.1132



33.0070, 33.1097, 41.6974



7.1319, 7.3007, 9.4516



5.3376, 2.1354, 28.1063



0.1299, 0.0520, 0.6838

Inverse Universe

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



33.2902, 33.4080, 34.8323



58.7293, 58.1645, 59.8680



34.4006, 37.8568, 35.6317



7.5312, 7.5423, 7.8483



12.1948, 6.2866, 0.5712



0.2967, 0.1530, 0.0140

Previews

White Background



This preview shows how the XYZ color 31.5960, 32.3819, 41.6308 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 31.5960, 32.3819, 41.6308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

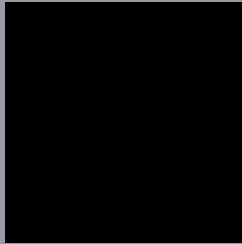
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5960, 32.3819, 41.6308

Background



This preview shows how black text looks on a background with the XYZ color 31.5960, 32.3819, 41.6308.

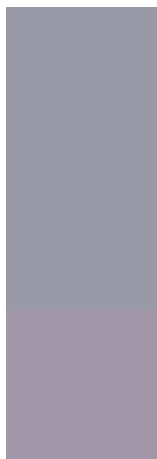


This preview shows how white text looks on a background with the XYZ color 31.5960, 32.3819,

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

31.5960, 32.3819, 41.6308

Protanopia

31.5960, 32.3819, 41.6308

Deuteranopia

32.9681, 32.3586, 42.0444



Tritanopia

31.4110, 32.3079, 40.6569

Trichromacy



Original Color

31.5960, 32.3819, 41.6308

Protanomaly

31.5960, 32.3819, 41.6308

Deuteranomaly

32.5261, 32.3687, 42.0696

Tritanomaly

31.5032, 32.3448, 41.1420

Monochromacy



Original Color

31.5960, 32.3819, 41.6308

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2272, 32.5193, 37.8887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5960, 32.3819, 41.6308 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, 153, 168)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 168)  
}
```

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, 153, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.5960, 32.3819, 41.6308 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, 153, 168) }
```


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

```
.border{ border-color:rgb(153, 153, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 168);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5960, 32.3819, 41.6308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 168) }
```

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

```
.background{ background-color: rgb(153,  
153, 168) }
```

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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