

Converting Colors

XYZ(31.8085, 32.7449, 36.7325)

Have a look what the booklet for
XYZ(31.8085, 32.7449, 36.7325)
contains.

XYZ(31.7420, 32.8146, 36.5592)	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(31.7420, 32.8146,
36.5592)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9A9D
RGB	158, 154, 157
RGB Percent	62%, 60%, 62%
CMY	0.3804, 0.3961, 0.3843
CMYK	0.00, 0.03, 0.01, 0.38
HSL	315°, 2%, 61%
HSV	315°, 3%, 62%
XYZ	31.7420, 32.8146, 36.5592
YIQ	155.5380, 1.4210, 1.7810

Conversions

Conversions Part 2

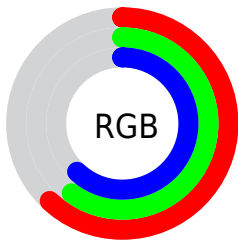
Format	Color
RYB	158, 154, 157
Decimal	10394269
CIELab	64.01, 2.03, -1.06
CIELCh	64, 2.286, 332.381
Yxy	32.8146, 0.3139, 0.3245
Android (android.graphics.Color)	4288584349 (0xFF9E9A9D)
YUV	155.5380, 0.7208, 2.1592
Hunter-Lab	57.2840, -1.3373, 2.2594

Details

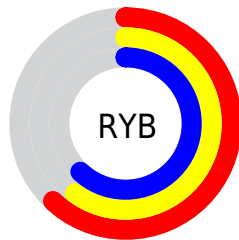
The XYZ color **31.7420, 32.8146, 36.5592** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.4709, 33.6913, 35.8564**, and the grayscale version is **31.3915, 33.0263, 35.9656**.

A 20% lighter version of the original color is **61.8801, 64.0114, 71.3813**, and **13.5152, 13.8669, 15.5999** is the 20% darker color. If you saturate the color by 10%, you get **28.9723, 27.8062, 33.9980**, and if you desaturate by 10%, it is **34.8678, 38.5168, 39.2938**.

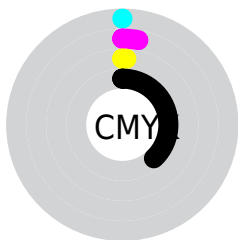
Distribution



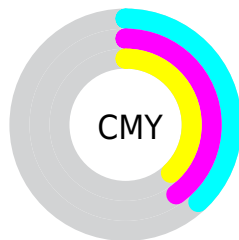
- Red (62%)
- Green (60%)
- Blue (62%)



- Red (62%)
- Yellow (60%)
- Blue (62%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (38%)



- Cyan (38%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7420, 32.8146, 36.5592 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 31.7420, 32.8146, 36.5592 by changing the saturation by 10% instead.

■ 31.7420, 32.8146,
36.5592

■ 31.7420, 32.8146,
36.5592

301.7085,
314.8135, 346.5092

■ 21.3191, 21.9845,
24.5733

■ 61.7743, 64.0860,
71.0730

■ 13.4712, 13.8455,
15.5433

■ 82.1145, 85.2960,
94.4380

■ 7.8331, 8.0133,
9.0507

106.4911,
110.7347, 122.4331

■ 4.0392, 4.1034,
4.6770

135.2695,
140.7866, 155.4769

■ 1.7243, 1.7316,
2.0036

168.8151,
175.8361, 193.9878

■ 0.4714, 0.4440,
0.5575

207.4932,

■ 0.0000, 0.0000,

216.2674, 238.3845

0.0000

251.6693,
262.4651, 289.0854

■ 31.7420, 32.8146,
36.5592

■ 31.7420, 32.8146,
36.5592

■ 28.9723, 27.8062,
33.9980

■ 34.8678, 38.5168,
39.2938

■ 26.5424, 23.4605,
31.6030

■ 38.3595, 44.9336,
42.2044

■ 24.4390, 19.7508,
29.3697

■ 42.2301, 52.0905,
45.2961

■ 22.6469, 16.6465,
27.2926

■ 46.4911, 60.0102,
48.5734

■ 21.1494, 14.1147,
25.3655

■ 51.1535, 68.7146,
52.0402

■ 19.9284, 12.1193,
23.5818

■ 56.2278, 78.2245,
55.7006

■ 18.9638, 10.6202,
21.9344

■ 58.5832, 82.2782,
58.5116

■ 18.2325, 9.5713,
20.4150

■ 59.0055, 82.4471,
60.7353

■ 17.7072, 8.9183,
19.0138

■ 59.4395, 82.6207,
63.0206

Harmonies

Analogous

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



31.5226, 32.8146, 37.2505



31.7420, 32.8146, 36.5592



31.8130, 32.8146, 35.6558

Triad

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



31.7420, 32.8146, 36.5592



31.1635, 32.8146, 33.9842



30.6685, 32.8146, 36.6891

Complementary

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



31.7420, 32.8146, 36.5592



31.4709, 33.6913, 35.8564

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.



30.5738, 32.8146, 35.8034



31.7420, 32.8146, 36.5592



30.8584, 32.8146, 34.2506

Square

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



31.7420, 32.8146, 36.5592



31.4777, 32.8146, 34.1789



30.6430, 32.8146, 34.9125



30.9027, 32.8146, 37.3264

Rectangle

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



31.7420, 32.8146, 36.5592



31.7662, 32.8146, 35.0575



30.6430, 32.8146, 34.9125



30.6194, 32.8146, 36.4101

Sweetspot

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



31.7429, 32.8160, 36.5599



58.4594, 61.0749, 67.1212



31.2460, 32.5499, 36.9843



13.1869, 13.7826, 15.1389



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.



31.7429, 32.8160, 36.5599



57.3622, 59.0809, 66.1379



31.5737, 32.7483, 35.6687



7.1898, 7.3717, 8.3004



13.9508, 6.8849, 14.5236



0.2651, 0.1294, 0.3421

Inverse Universe

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



31.7429, 32.8160, 36.5599



57.3622, 59.0809, 66.1379



31.6402, 33.7590, 36.7477



7.1898, 7.3717, 8.3004



13.9508, 6.8849, 14.5236



0.2651, 0.1294, 0.3421

Previews

White Background



This preview shows how the XYZ color 31.7420, 32.8146, 36.5592 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 31.7420, 32.8146, 36.5592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

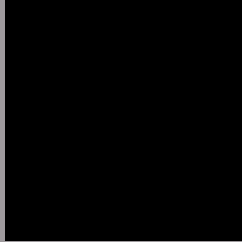
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7420, 32.8146, 36.5592

Background



This preview shows how black text looks on a background with the XYZ color 31.7420, 32.8146, 36.5592.

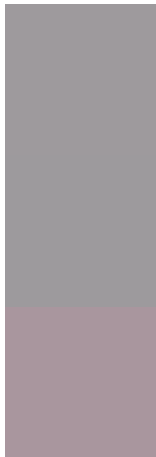


This preview shows how white text looks on a background with the XYZ color 31.7420, 32.8146,

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

31.7420, 32.8146, 36.5592

Protanopia

31.5460, 32.7136, 36.5500

Deuteranopia

33.4401, 32.7163, 36.9002



Tritanopia

32.4808, 32.8700, 40.2299

Trichromacy



Original Color

31.7420, 32.8146, 36.5592

Protanomaly

31.5460, 32.7136, 36.5500

Deuteranomaly

32.7552, 32.6012, 36.9140

Tritanomaly

32.2109, 32.7620, 38.8084

Monochromacy



Original Color

31.7420, 32.8146, 36.5592

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.6267, 33.0111, 36.1574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7420, 32.8146, 36.5592 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(158, 154, 157) looks like.

```
.text, #text, p{  
    color:rgb(158, 154, 157)  
}
```

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(158, 154, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 154, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.7420, 32.8146, 36.5592 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(158, 154, 157) }
```


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

```
.border{ border-color:rgb(158, 154, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 154, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 154, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 154, 157);  
box-shadow:4px 4px 4px 4px rgb(158, 154,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7420, 32.8146, 36.5592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 154, 157) }
```

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

```
.background{ background-color: rgb(158,  
154, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor