

Converting Colors

XYZ(32.2304, 31.9476, 34.7504)

Have a look what the booklet for
XYZ(32.2304, 31.9476, 34.7504)
contains.

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Color

**XYZ(32.2231, 31.9018,
34.5963)**

Conversions

Conversions Part 1

Format	Color
Hex	A69599
RGB	166, 149, 153
RGB Percent	65%, 58%, 60%
CMY	0.3490, 0.4157, 0.4000
CMYK	0.00, 0.10, 0.08, 0.35
HSL	346°, 9%, 62%
HSV	346°, 10%, 65%
XYZ	32.2231, 31.9018, 34.5963
YIQ	154.5390, 8.8480, 4.8480

Conversions

Conversions Part 2

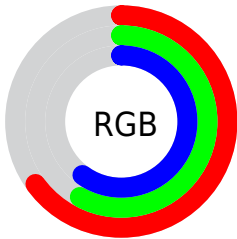
Format	Color
R _Y B	166, 149, 153
Decimal	10917273
CIE Lab	63.26, 7.00, 0.18
CIE LCh	63, 6.999, 1.498
Yxy	31.9018, 0.3264, 0.3232
Android (android.graphics.Color)	4289107353 (0xFFA69599)
YUV	154.5390, -0.7587, 10.0513
Hunter-Lab	56.4817, 2.9923, 3.2207

Details

The XYZ color **32.2231, 31.9018, 34.5963** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.5535, 36.2714, 39.4696**, and the grayscale version is **30.9534, 32.5654, 35.4637**.

A 20% lighter version of the original color is **62.4372, 62.5890, 67.8216**, and **13.7054, 13.2721, 14.4098** is the 20% darker color. If you saturate the color by 10%, you get **28.7883, 26.6218, 28.5501**, and if you desaturate by 10%, it is **36.1456, 37.9779, 41.3564**.

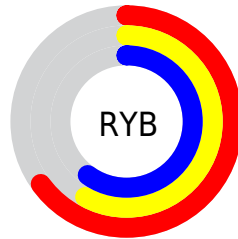
Distribution



Red (65%)

Green (58%)

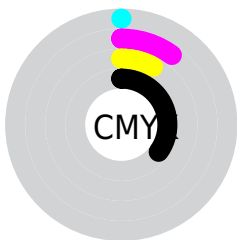
Blue (60%)



Red (65%)

Yellow (58%)

Blue (60%)

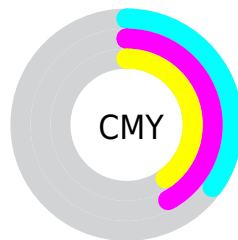


Cyan (0%)

Magenta (10%)

Yellow (8%)

Black (35%)



Cyan (35%)

Magenta (42%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2231, 31.9018, 34.5963 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 32.2231, 31.9018, 34.5963 by changing the saturation by 10% instead.

■ 32.2231, 31.9018,
34.5963

■ 32.2231, 31.9018,
34.5963

303.8616,
310.6717, 337.6328

■ 21.6883, 21.2865,
23.0710

■ 62.5235, 62.6571,
68.0044

■ 13.7434, 13.3336,
14.4402

■ 83.0199, 83.5659,
90.7242

■ 8.0229, 7.6587,
8.2852

107.5675,
108.6747, 118.0126

■ 4.1615, 3.8773,
4.1876

136.5317,
138.3678, 150.2882

■ 1.7939, 1.6052,
1.7288

170.2778,
173.0297, 187.9695

■ 0.5140, 0.3611,
0.3804

209.1713,

■ 0.0000, 0.0000,

213.0447, 231.4750

0.0000

253.5774,
258.7972, 281.2232

■ 32.2231, 31.9018,
34.5963

■ 32.2231, 31.9018,
34.5963

■ 28.7883, 26.6218,
28.5501

■ 36.1456, 37.9779,
41.3564

■ 25.8194, 22.1009,
23.1922

■ 40.5714, 44.8769,
48.8509

■ 23.2967, 18.3052,
18.4985

■ 45.5184, 52.6295,
57.1017

■ 21.1981, 15.1967,
14.4425

■ 51.0031, 61.2636,
66.1296

■ 19.4995, 12.7340,
10.9960

■ 57.0412, 70.8057,
75.9541

■ 18.1746, 10.8709,
8.1288

■ 63.6476, 81.2814,
86.5945

■ 17.1935, 9.5555,
5.8075

■ 67.4944, 86.0304,
96.9549

■ 16.5214, 8.7265,
3.9955

■ 69.4673, 86.8196,
107.3437

■ 16.0929, 8.2538,
2.6676

■ 69.5361, 86.8471,
107.7060

Harmonies

Analogous

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



31.9891, 31.9018, 37.3453



32.2231, 31.9018, 34.5963



31.9387, 31.9018, 32.0210

Triad

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



32.2231, 31.9018, 34.5963



29.3584, 31.9018, 30.3806



29.4411, 31.9018, 39.6403

Complementary

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



32.2231, 31.9018, 34.5963



32.5535, 36.2714, 39.4696

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.



28.7603, 31.9018, 37.5995



32.2231, 31.9018, 34.5963



28.7133, 31.9018, 32.2505

Square

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



32.2231, 31.9018, 34.5963



30.2730, 31.9018, 29.6687



28.4966, 31.9018, 34.8753



30.3704, 31.9018, 40.3489

Rectangle

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



32.2231, 31.9018, 34.5963



31.4967, 31.9018, 30.7240



28.4966, 31.9018, 34.8753



29.1763, 31.9018, 39.0822

Sweetspot

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



32.2240, 31.9032, 34.5970



63.5043, 65.6711, 71.4685



32.4810, 31.9048, 40.5231



14.0824, 14.4964, 15.7722



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.



32.2240, 31.9032, 34.5970



57.1768, 55.8864, 60.5108



32.5839, 33.1426, 33.1153



7.6007, 7.5702, 8.2146



12.4948, 6.4066, 2.1511



0.3230, 0.1635, 0.1523

Inverse Universe

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



32.2240, 31.9032, 34.5970



57.1768, 55.8864, 60.5108



32.1548, 34.8964, 41.1177



7.6007, 7.5702, 8.2146



12.4948, 6.4066, 2.1511



0.3230, 0.1635, 0.1523

Previews

White Background



This preview shows how the XYZ color 32.2231, 31.9018, 34.5963 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 32.2231, 31.9018, 34.5963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

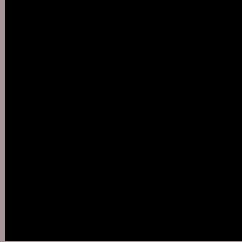
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2231, 31.9018, 34.5963

Background



This preview shows how black text looks on a background with the XYZ color 32.2231, 31.9018, 34.5963.



This preview shows how white text looks on a background with the XYZ color 32.2231, 31.9018,

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

32.2231, 31.9018, 34.5963

Protanopia

30.6622, 31.7916, 35.5307

Deuteranopia

32.4881, 31.8045, 34.5636



Tritanopia

32.8714, 31.9334, 37.6890

Trichromacy



Original Color

32.2231, 31.9018, 34.5963

Protanomaly

31.1974, 31.8372, 35.0728

Deuteranomaly

32.2760, 31.6952, 34.5536

Tritanomaly

32.6121, 31.8296, 36.3232

Monochromacy



Original Color

32.2231, 31.9018, 34.5963

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.5220, 32.4865, 35.1810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2231, 31.9018, 34.5963 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(166, 149, 153)` looks like.

```
.text, #text, p{  
    color:rgb(166, 149, 153)  
}
```

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(166, 149, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 149, 153) }
```

Border

The CSS property to change the border of an element to XYZ 32.2231, 31.9018, 34.5963 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(166, 149, 153) }
```


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

```
.border{ border-color:rgb(166, 149, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 149, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 149, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 149, 153);  
box-shadow:4px 4px 4px 4px rgb(166, 149,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2231, 31.9018, 34.5963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 149, 153) }
```

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

```
.background{ background-color: rgb(166,  
149, 153) }
```

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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