

Converting Colors

XYZ(31.5702, 33.4535, 32.3112)

Have a look what the booklet for
XYZ(31.5702, 33.4535, 32.3112)
contains.

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Color

**XYZ(31.6215, 33.5915,
32.4209)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9D93
RGB	159, 157, 147
RGB Percent	62%, 62%, 58%
CMY	0.3765, 0.3843, 0.4235
CMYK	0.00, 0.01, 0.08, 0.38
HSL	50°, 6%, 60%
HSV	50°, 8%, 62%
XYZ	31.6215, 33.5915, 32.4209
YIQ	156.4580, 4.4020, -2.6860

Conversions

Conversions Part 2

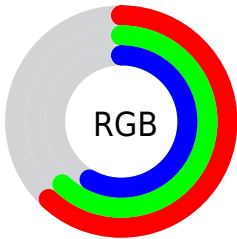
Format	Color
RYB	149, 159, 147
Decimal	10460563
CIELab	64.64, -1.11, 5.48
CIELCh	65, 5.589, 101.504
Yxy	33.5915, 0.3239, 0.3441
Android (android.graphics.Color)	4288650643 (0xFF9F9D93)
YUV	156.4580, -4.6628, 2.2293
Hunter-Lab	57.9582, -4.0387, 7.4048

Details

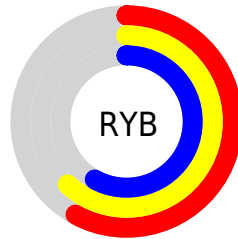
The XYZ color **31.6215, 33.5915, 32.4209** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.0379, 30.2005, 37.1000**, and the grayscale version is **31.8242, 33.4816, 36.4614**.

A 20% lighter version of the original color is **61.8177, 65.6002, 64.6623**, and **13.4497, 14.3407, 13.1255** is the 20% darker color. If you saturate the color by 10%, you get **30.0167, 32.2422, 26.1500**, and if you desaturate by 10%, it is **33.4104, 35.0321, 39.6049**.

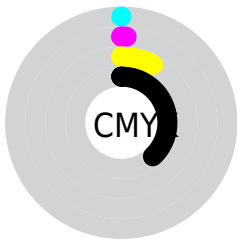
Distribution



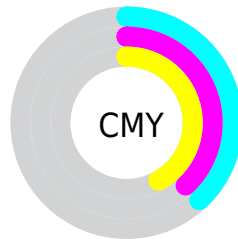
- Red (62%)
- Green (62%)
- Blue (58%)



- Red (58%)
- Yellow (62%)
- Blue (58%)



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (38%)



- Cyan (38%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6215, 33.5915, 32.4209 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 31.6215, 33.5915, 32.4209 by changing the saturation by 10% instead.

■ 31.6215, 33.5915,
32.4209

■ 31.6215, 33.5915,
32.4209

301.1674,
318.3067, 327.5838

■ 21.2267, 22.5800,
21.4157

■ 61.5865, 65.2979,
64.5759

■ 13.4032, 14.2837,
13.2340

■ 81.8873, 86.7616,
86.5628

■ 7.7857, 8.3182,
7.4573

106.2209,
112.4781, 113.0473

■ 4.0088, 4.2992,
3.6669

134.9526,
142.8318, 144.4481

■ 1.7071, 1.8423,
1.4445

168.4478,
178.2071, 181.1836

■ 0.4607, 0.5133,
0.1760

207.0717,

■ 0.0000, 0.0000,

218.9884, 223.6723

0.0000

251.1898,
265.5602, 272.3329

■ 31.6215, 33.5915,
32.4209

■ 31.6215, 33.5915,
32.4209

■ 30.0167, 32.2422,
26.1500

■ 33.4104, 35.0321,
39.6049

■ 28.5860, 30.9769,
20.7529

■ 35.3872, 36.5624,
47.7346

■ 27.3229, 29.7940,
16.1907

■ 37.5592, 38.1864,
56.8440

■ 26.2192, 28.6900,
12.4208

■ 39.9325, 39.9068,
66.9644

■ 25.2659, 27.6613,
9.3968

■ 42.5127, 41.7259,
78.1260

■ 24.4533, 26.7039,
7.0674

■ 45.3056, 43.6459,
90.3575

■ 23.7705, 25.8133,
5.3748

■ 47.7800, 45.4547,
100.8631

■ 23.2044, 24.9842,
4.2520

■ 48.3020, 46.4986,
101.0371

■ 22.7338, 24.2081,
3.5864

■ 48.8341, 47.5628,
101.2145

Harmonies

Analogous

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



32.4188, 33.5915, 32.5495



31.6215, 33.5915, 32.4209



30.9179, 33.5915, 33.3703

Triad

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



31.6215, 33.5915, 32.4209



30.7880, 33.5915, 39.5772



33.4108, 33.5915, 37.9927

Complementary

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



31.6215, 33.5915, 32.4209



29.0379, 30.2005, 37.1000

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.



32.9593, 33.5915, 39.9795



31.6215, 33.5915, 32.4209



31.4416, 33.5915, 40.9203

Square

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



31.6215, 33.5915, 32.4209



30.4421, 33.5915, 37.4623



32.2359, 33.5915, 41.0705



33.4609, 33.5915, 35.7027

Rectangle

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



31.6215, 33.5915, 32.4209



30.5931, 33.5915, 34.5110



32.2359, 33.5915, 41.0705



33.3006, 33.5915, 38.7206

Sweetspot

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



31.6224, 33.5930, 32.4216



58.3552, 61.5613, 64.9445



30.1570, 30.4087, 32.7142



13.1648, 13.8859, 14.6764



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.



31.6224, 33.5930, 32.4216



56.1435, 59.7579, 56.1300



31.1825, 33.8718, 32.4986



7.0762, 7.5324, 7.0666



17.8948, 19.0252, 2.7291



0.3427, 0.3857, 0.0564

Inverse Universe

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



29.0379, 30.2005, 37.1000



50.5793, 52.4543, 66.2023



29.4546, 29.9504, 37.0298



6.3695, 6.6048, 8.3458



5.2645, 2.6205, 26.1356



0.1160, 0.0906, 0.4746

Previews

White Background



This preview shows how the XYZ color 31.6215, 33.5915, 32.4209 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 31.6215, 33.5915, 32.4209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

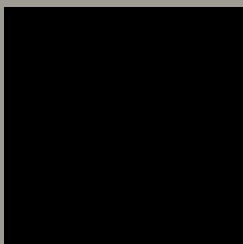
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

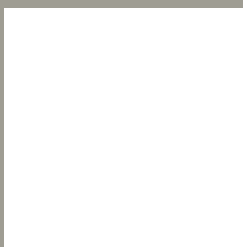
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6215, 33.5915, 32.4209

Background



This preview shows how black text looks on a background with the XYZ color 31.6215, 33.5915, 32.4209.



This preview shows how white text looks on a background with the XYZ color 31.6215, 33.5915,

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

31.6215, 33.5915, 32.4209

Protanopia

32.0552, 33.5649, 32.3929

Deuteranopia

34.0911, 33.3853, 32.6642



Tritanopia

33.3388, 33.5458, 40.7942

Trichromacy



Original Color

31.6215, 33.5915, 32.4209

Protanomaly

31.8529, 33.4606, 32.3835

Deuteranomaly

33.0987, 33.3556, 32.7108

Tritanomaly

32.6773, 33.5230, 37.5492

Monochromacy



Original Color

31.6215, 33.5915, 32.4209

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5429, 33.2449, 34.8914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6215, 33.5915, 32.4209 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, 157, 147)` looks like.

```
.text, #text, p{  
    color:rgb(159, 157, 147)  
}
```

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, 157, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 157, 147) }
```

Border

The CSS property to change the border of an element to XYZ 31.6215, 33.5915, 32.4209 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, 157, 147) }
```


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

```
.border{ border-color:rgb(159, 157, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 157, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 157, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 157, 147);  
box-shadow:4px 4px 4px 4px rgb(159, 157,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6215, 33.5915, 32.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 157, 147) }
```

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

```
.background{ background-color: rgb(159,  
157, 147) }
```

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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