

Converting Colors

XYZ(31.0839, 32.5605, 31.4873)

Have a look what the booklet for
XYZ(31.0839, 32.5605, 31.4873)
contains.

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Color

**XYZ(31.1636, 32.6291,
31.4436)**

Conversions

Conversions Part 1

Format	Color
Hex	A09A91
RGB	160, 154, 145
RGB Percent	63%, 60%, 57%
CMY	0.3725, 0.3961, 0.4314
CMYK	0.00, 0.04, 0.09, 0.37
HSL	36°, 7%, 60%
HSV	36°, 9%, 63%
XYZ	31.1636, 32.6291, 31.4436
YIQ	154.7680, 6.4650, -1.5270

Conversions

Conversions Part 2

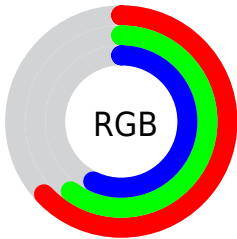
Format	Color
RYB	155, 160, 145
Decimal	10525329
CIELab	63.86, 0.56, 5.49
CIELCh	64, 5.520, 84.215
Yxy	32.6291, 0.3272, 0.3426
Android (android.graphics.Color)	4288715409 (0xFFA09A91)
YUV	154.7680, -4.8156, 4.5885
Hunter-Lab	57.1219, -2.5803, 7.3483

Details

The XYZ color **31.1636, 32.6291, 31.4436** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.0887, 30.6904, 37.6487**, and the grayscale version is **31.0725, 32.6907, 35.6002**.

A 20% lighter version of the original color is **60.8890, 63.6823, 63.1156**, and **13.2225, 13.7779, 12.7890** is the 20% darker color. If you saturate the color by 10%, you get **28.9883, 30.1155, 25.0543**, and if you desaturate by 10%, it is **33.5708, 35.3276, 38.7683**.

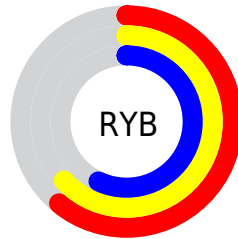
Distribution



Red (63%)

Green (60%)

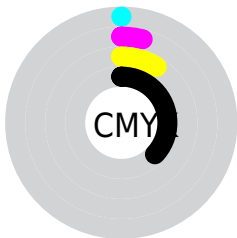
Blue (57%)



Red (61%)

Yellow (63%)

Blue (57%)

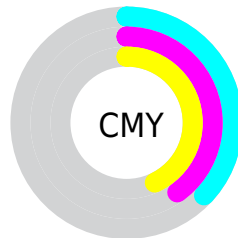


Cyan (0%)

Magenta (4%)

Yellow (9%)

Black (37%)



Cyan (37%)

Magenta (40%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1636, 32.6291, 31.4436 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 31.1636, 32.6291, 31.4436 by changing the saturation by 10% instead.

■ 31.1636, 32.6291,
31.4436

■ 31.1636, 32.6291,
31.4436

299.1048,
313.9751, 322.9911

■ 20.8759, 21.8425,
20.6756

■ 60.8716, 63.7960,
63.0255

■ 13.1453, 13.7412,
12.6981

■ 81.0227, 84.9451,
84.6765

■ 7.6063, 7.9409,
7.0927

105.1922,
110.3171, 110.7923

■ 3.8938, 4.0571,
3.4408

133.7456,
140.2965, 141.7913

■ 1.6422, 1.7056,
1.3239

167.0482,
175.2676, 178.0922

■ 0.4197, 0.4273,
0.0813

205.4654,

■ 0.0000, 0.0000,

215.6148, 220.1134

0.0000

249.3624,
261.7225, 268.2735

■ 31.1636, 32.6291,
31.4436

■ 31.1636, 32.6291,
31.4436

■ 28.9883, 30.1155,
25.0543

■ 33.5708, 35.3276,
38.7683

■ 27.0340, 27.7779,
19.5599

■ 36.2148, 38.2112,
47.0624

■ 25.2931, 25.6129,
14.9202

■ 39.1039, 41.2855,
56.3607

■ 23.7563, 23.6152,
11.0909

■ 42.2448, 44.5545,
66.6958

■ 22.4136, 21.7795,
8.0237

■ 45.6443, 48.0223,
78.0987

■ 21.2539, 20.0997,
5.6653

■ 49.3087, 51.6926,
90.5991

■ 20.2648, 18.5694,
3.9551

■ 52.9202, 55.4394,
102.5194

■ 19.4320, 17.1810,
2.8224

■ 54.4210, 58.4409,
103.0197

■ 18.7254, 15.9211,
2.1149

■ 55.9843, 61.5676,
103.5408

Harmonies

Analogous

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



31.8936, 32.6291, 32.1727



31.1636, 32.6291, 31.4436



30.4050, 32.6291, 31.7713

Triad

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



31.1636, 32.6291, 31.4436



29.6721, 32.6291, 37.3092



32.2391, 32.6291, 38.0852

Complementary

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



31.1636, 32.6291, 31.4436



29.0887, 30.6904, 37.6487

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.



31.6290, 32.6291, 39.5688



31.1636, 32.6291, 31.4436



30.1487, 32.6291, 39.1079

Square

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



31.1636, 32.6291, 31.4436



29.5521, 32.6291, 35.0986



30.8628, 32.6291, 39.9506



32.5212, 32.6291, 35.9600

Rectangle

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



31.1636, 32.6291, 31.4436



29.9841, 32.6291, 32.5521



30.8628, 32.6291, 39.9506



32.0651, 32.6291, 38.6790

Sweetspot

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



31.1645, 32.6305, 31.4443



59.2958, 62.3017, 65.2921



30.2089, 29.9592, 33.4691



12.9292, 13.5796, 14.0899



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.



31.1645, 32.6305, 31.4443



55.8284, 58.3836, 54.8363



31.8811, 34.5061, 31.7686



6.9474, 7.2749, 7.0237



14.5978, 12.4312, 1.6301



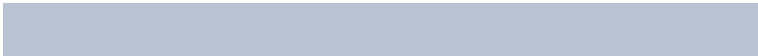
0.3016, 0.3034, 0.0427

Inverse Universe

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



29.0887, 30.6904, 37.6487



51.3759, 54.2222, 68.1447



28.4141, 28.9462, 37.3476



6.4915, 6.8488, 8.3865



6.4103, 4.9122, 26.5175



0.1548, 0.1681, 0.4875

Previews

White Background



This preview shows how the XYZ color 31.1636, 32.6291, 31.4436 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 31.1636, 32.6291, 31.4436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

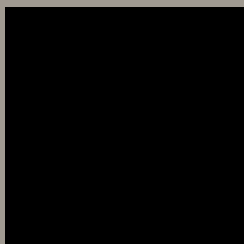
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

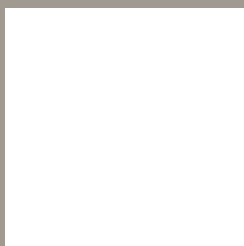
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1636, 32.6291, 31.4436

Background



This preview shows how black text looks on a background with the XYZ color 31.1636, 32.6291, 31.4436.



This preview shows how white text looks on a background with the XYZ color 31.1636, 32.6291,

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

31.1636, 32.6291, 31.4436

Protanopia

31.1636, 32.6291, 31.4436

Deuteranopia

33.1693, 32.4545, 31.7103



Tritanopia

32.7817, 32.5641, 39.2080

Trichromacy



Original Color

31.1636, 32.6291, 31.4436

Protanomaly

31.1636, 32.6291, 31.4436

Deuteranomaly

32.4034, 32.5334, 31.7659

Tritanomaly

32.1293, 32.5382, 36.0396

Monochromacy



Original Color

31.1636, 32.6291, 31.4436

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2119, 32.8452, 33.9729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1636, 32.6291, 31.4436 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(160, 154, 145)` looks like.

```
.text, #text, p{  
    color:rgb(160, 154, 145)  
}
```

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(160, 154, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 154, 145) }
```

Border

The CSS property to change the border of an element to XYZ 31.1636, 32.6291, 31.4436 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(160, 154, 145) }
```


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

```
.border{ border-color:rgb(160, 154, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 154, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 154, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 154, 145);  
box-shadow:4px 4px 4px 4px rgb(160, 154,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1636, 32.6291, 31.4436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 154, 145) }
```

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

```
.background{ background-color: rgb(160,  
154, 145) }
```

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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