

Converting Colors

XYZ(31.8326, 33.8333, 32.0238)

Have a look what the booklet for
XYZ(31.8326, 33.8333, 32.0238)
contains.

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Color

**XYZ(31.7425, 33.6628,
32.0187)**

Conversions

Conversions Part 1

Format	Color
Hex	A09D92
RGB	160, 157, 146
RGB Percent	63%, 62%, 57%
CMY	0.3725, 0.3843, 0.4274
CMYK	0.00, 0.02, 0.09, 0.37
HSL	47°, 7%, 60%
HSV	47°, 9%, 63%
XYZ	31.7425, 33.6628, 32.0187
YIQ	156.6430, 5.3190, -2.7850

Conversions

Conversions Part 2

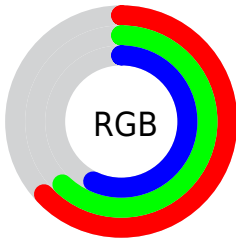
Format	Color
RYB	150, 160, 146
Decimal	10526098
CIELab	64.69, -0.92, 6.13
CIELCh	65, 6.198, 98.528
Yxy	33.6628, 0.3258, 0.3455
Android (android.graphics.Color)	4288716178 (0xFFA09D92)
YUV	156.6430, -5.2470, 2.9441
Hunter-Lab	58.0197, -3.8772, 7.8940

Details

The XYZ color **31.7425, 33.6628, 32.0187** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.9467, 30.1436, 37.5508**, and the grayscale version is **31.9094, 33.5711, 36.5590**.

A 20% lighter version of the original color is **61.9931, 65.7042, 64.0584**, and **13.5720, 14.4038, 13.1312** is the 20% darker color. If you saturate the color by 10%, you get **30.0129, 32.0577, 25.7254**, and if you desaturate by 10%, it is **33.6645, 35.3731, 39.2364**.

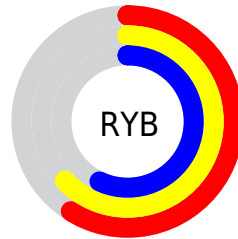
Distribution



Red (63%)

Green (62%)

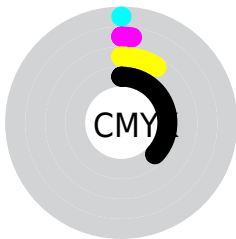
Blue (57%)



Red (59%)

Yellow (63%)

Blue (57%)

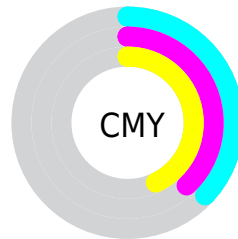


Cyan (0%)

Magenta (2%)

Yellow (9%)

Black (37%)



Cyan (37%)

Magenta (38%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7425, 33.6628, 32.0187 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 31.7425, 33.6628, 32.0187 by changing the saturation by 10% instead.

■ 31.7425, 33.6628,
32.0187

■ 31.7425, 33.6628,
32.0187

301.7108,
318.6259, 325.6998

■ 21.3195, 22.6347,
21.1108

■ 61.7751, 65.4090,
63.9387

■ 13.4715, 14.3240,
13.0130

■ 82.1154, 86.8958,
85.7878

■ 7.8333, 8.3463,
7.3067

106.4922,
112.6376, 112.1212

■ 4.0393, 4.3174,
3.5733

135.2708,
143.0188, 143.3573

■ 1.7244, 1.8526,
1.3943

168.8166,
178.4239, 179.9147

■ 0.4715, 0.5197,
0.1373

207.4950,

■ 0.0000, 0.0000,

219.2372, 222.2118

0.0000

251.6712,
265.8430, 270.6674

■ 31.7425, 33.6628,
32.0187

■ 31.7425, 33.6628,
32.0187

■ 30.0129, 32.0577,
25.7254

■ 33.6645, 35.3731,
39.2364

■ 28.4655, 30.5501,
20.3164

■ 35.7829, 37.1871,
47.4121

■ 27.0934, 29.1383,
15.7518

■ 38.1053, 39.1091,
56.5803

■ 25.8883, 27.8185,
11.9879

■ 40.6379, 41.1417,
66.7731

■ 24.8408, 26.5871,
8.9769

■ 43.3866, 43.2877,
78.0214

■ 23.9409, 25.4395,
6.6662

■ 46.3571, 45.5493,
90.3545

■ 23.1771, 24.3711,
4.9959

■ 49.0677, 47.7343,
101.2352

■ 22.5361, 23.3763,
3.8966

■ 49.7728, 49.1444,
101.4703

■ 21.9915, 22.4444,
3.2306

■ 50.4951, 50.5890,
101.7110

Harmonies

Analogous

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



32.6257, 33.6628, 32.2806



31.7425, 33.6628, 32.0187



30.9418, 33.6628, 32.9527

Triad

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



31.7425, 33.6628, 32.0187



30.6759, 33.6628, 39.7900



33.6138, 33.6628, 38.4757

Complementary

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



31.7425, 33.6628, 32.0187



28.9467, 30.1436, 37.5508

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.



33.0728, 33.6628, 40.6206



31.7425, 33.6628, 32.0187



31.3734, 33.6628, 41.4035

Square

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



31.7425, 33.6628, 32.0187



30.3335, 33.6628, 37.3843



32.2498, 33.6628, 41.7143



33.7171, 33.6628, 35.9314

Rectangle

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



31.7425, 33.6628, 32.0187



30.5586, 33.6628, 34.1545



32.2498, 33.6628, 41.7143



33.4767, 33.6628, 39.2706

Sweetspot

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



31.7434, 33.6643, 32.0194



59.5784, 62.8668, 65.3863



30.2041, 30.2029, 32.6860



13.0067, 13.7346, 14.1157



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.



31.7434, 33.6643, 32.0194



57.1617, 60.6916, 56.3863



31.4764, 34.2887, 32.1540



7.0496, 7.4791, 7.0577



17.1124, 17.4604, 2.4683



0.3337, 0.3676, 0.0534

Inverse Universe

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



28.9467, 30.1436, 37.5508



51.3033, 53.3166, 67.9737



29.1961, 29.5772, 37.4284



6.3942, 6.6541, 8.3540



5.4217, 2.9349, 26.1880



0.1239, 0.1065, 0.4772

Previews

White Background



This preview shows how the XYZ color 31.7425, 33.6628, 32.0187 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 31.7425, 33.6628, 32.0187 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

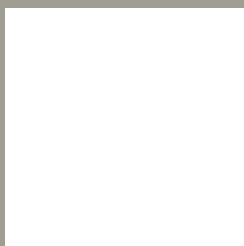
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7425, 33.6628, 32.0187

Background



This preview shows how black text looks on a background with the XYZ color 31.7425, 33.6628, 32.0187.



This preview shows how white text looks on a background with the XYZ color 31.7425, 33.6628,

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

31.7425, 33.6628, 32.0187

Protanopia

31.9771, 33.5336, 31.9814

Deuteranopia

34.2376, 33.4699, 32.2596



Tritanopia

33.5428, 33.6509, 40.8038

Trichromacy



Original Color

31.7425, 33.6628, 32.0187

Protanomaly

31.7747, 33.4293, 31.9719

Deuteranomaly

33.2353, 33.4351, 32.3057

Tritanomaly

32.8796, 33.6273, 37.5587

Monochromacy



Original Color

31.7425, 33.6628, 32.0187

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9073, 33.6830, 34.9568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7425, 33.6628, 32.0187 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, 157, 146)` looks like.

```
.text, #text, p{  
    color:rgb(160, 157, 146)  
}
```

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, 157, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 157, 146) }
```

Border

The CSS property to change the border of an element to XYZ 31.7425, 33.6628, 32.0187 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, 157, 146) }
```


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

```
.border{ border-color:rgb(160, 157, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 157, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 157, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 157, 146);  
box-shadow:4px 4px 4px 4px rgb(160, 157,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7425, 33.6628, 32.0187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 157, 146) }
```

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

```
.background{ background-color: rgb(160,  
157, 146) }
```

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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