

Converting Colors

XYZ(29.6060, 31.8109, 27.1173)

Have a look what the booklet for
XYZ(29.6060, 31.8109, 27.1173)
contains.

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Color

**XYZ(29.7633, 32.0005,
27.1623)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9A86
RGB	157, 154, 134
RGB Percent	62%, 60%, 53%
CMY	0.3843, 0.3961, 0.4745
CMYK	0.00, 0.02, 0.15, 0.38
HSL	52°, 11%, 57%
HSV	52°, 15%, 62%
XYZ	29.7633, 32.0005, 27.1623
YIQ	152.6170, 8.2080, -5.5840

Conversions

Conversions Part 2

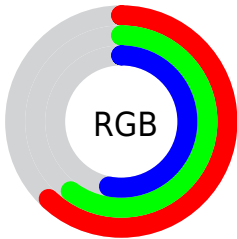
Format	Color
RYB	137, 157, 134
Decimal	10328710
CIELab	63.34, -2.46, 10.90
CIElCh	63, 11.172, 102.732
Yxy	32.0005, 0.3347, 0.3599
Android (android.graphics.Color)	4288518790 (0xFF9D9A86)
YUV	152.6170, -9.1782, 3.8439
Hunter-Lab	56.5690, -5.0794, 11.1295

Details

The XYZ color **29.7633, 32.0005, 27.1623** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.8630, 25.3936, 35.4896**, and the grayscale version is **30.1487, 31.7187, 34.5417**.

A 20% lighter version of the original color is **58.6769, 62.6967, 56.0228**, and **12.3943, 13.4048, 10.3216** is the 20% darker color. If you saturate the color by 10%, you get **28.4142, 30.9262, 21.7053**, and if you desaturate by 10%, it is **31.2825, 33.1541, 33.4789**.

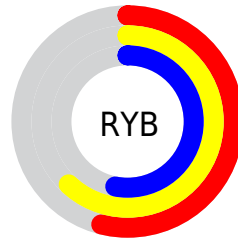
Distribution



Red (62%)

Green (60%)

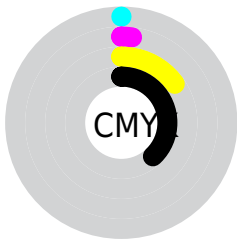
Blue (53%)



Red (54%)

Yellow (62%)

Blue (53%)

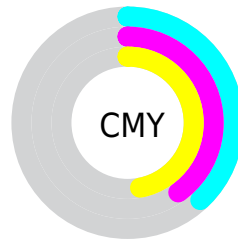


Cyan (0%)

Magenta (2%)

Yellow (15%)

Black (38%)



Cyan (38%)

Magenta (40%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7633, 32.0005, 27.1623 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 29.7633, 32.0005, 27.1623 by changing the saturation by 10% instead.

■ 29.7633, 32.0005,
27.1623

■ 29.7633, 32.0005,
27.1623

292.7292,
311.1215, 302.2271

■ 19.8062, 21.3619,
17.4616

■ 58.6769, 62.8119,
56.1511

■ 12.3617, 13.3888,
10.3987

■ 78.3640, 83.7534,
76.2763

■ 7.0644, 7.6968,
5.5551

■ 102.0252,
108.8981, 100.7135

■ 3.5491, 3.9016,
2.5121

130.0258,
138.6302, 129.8811

■ 1.4504, 1.6186,
0.8466

162.7311,
173.3342, 164.1977

■ 0.2917, 0.3701,
0.0000

200.5066,

■ 0.0000, 0.0000,

213.3945, 204.0819

0.0000

243.7175,
259.1955, 249.9522

■ 29.7633, 32.0005,
27.1623

■ 29.7633, 32.0005,
27.1623

■ 28.4142, 30.9262,
21.7053

■ 31.2825, 33.1541,
33.4789

■ 27.2253, 29.9242,
17.0683

■ 32.9760, 34.3856,
40.6883

■ 26.1900, 28.9927,
13.2115

■ 34.8509, 35.6990,
48.8244

■ 25.2999, 28.1284,
10.0910

■ 36.9133, 37.0967,
57.9190

■ 24.5457, 27.3274,
7.6587

■ 39.1689, 38.5811,
68.0021

■ 23.9172, 26.5857,
5.8608

■ 41.6232, 40.1544,
79.1025

■ 23.4027, 25.8985,
4.6351

■ 44.2814, 41.8188,
91.2477

■ 22.9875, 25.2600,
3.9053

■ 46.3988, 43.2763,
100.5154

■ 22.7857, 24.9301,
3.6110

■ 46.7864, 44.0514,
100.6446

Harmonies

Analogous

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



31.3089, 32.0005, 27.3107



29.7633, 32.0005, 27.1623



28.4374, 32.0005, 28.9415

Triad

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



29.7633, 32.0005, 27.1623



28.2782, 32.0005, 40.9626



33.3515, 32.0005, 37.4389

Complementary

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



29.7633, 32.0005, 27.1623



24.8630, 25.3936, 35.4896

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.



32.4833, 32.0005, 41.4970



29.7633, 32.0005, 27.1623



29.5393, 32.0005, 43.6469

Square

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



29.7633, 32.0005, 27.1623



27.5998, 32.0005, 36.7586



31.0772, 32.0005, 43.8504



33.4165, 32.0005, 32.9954

Rectangle

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



29.7633, 32.0005, 27.1623



27.8423, 32.0005, 31.0767



31.0772, 32.0005, 43.8504



33.1426, 32.0005, 38.9021

Sweetspot

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



29.7642, 32.0019, 27.1630



56.1884, 59.4976, 60.6519



26.9503, 26.0268, 27.2957



12.3188, 13.0586, 13.1561



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.7642, 32.0019, 27.1630



52.3759, 56.5838, 44.8563



28.6759, 32.1844, 27.2556



7.0964, 7.5728, 7.0733



18.5250, 20.2857, 2.9392



0.3498, 0.3998, 0.0587

Inverse Universe

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



24.8630, 25.3936, 35.4896



41.6595, 42.1353, 63.0640



25.8411, 25.2742, 35.4150



6.3510, 6.5677, 8.3396



5.1691, 2.4296, 26.1038



0.1100, 0.0786, 0.4726

Previews

White Background



This preview shows how the XYZ color 29.7633, 32.0005, 27.1623 looks on a white background.

Color Contrast Check

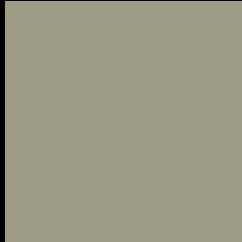
Large Text (above 18pt) WCAG AA × Fail

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 29.7633, 32.0005, 27.1623 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

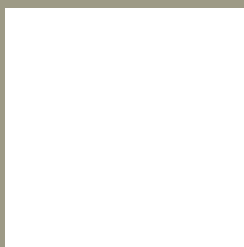
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7633, 32.0005, 27.1623

Background



This preview shows how black text looks on a background with the XYZ color 29.7633, 32.0005, 27.1623.



This preview shows how white text looks on a background with the XYZ color 29.7633, 32.0005,

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

29.7633, 32.0005, 27.1623

Protanopia

30.3228, 32.0530, 26.7790

Deuteranopia

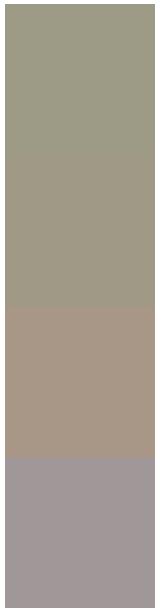
32.6423, 32.0430, 27.3862



Tritanopia

32.1259, 31.9984, 38.6655

Trichromacy



Original Color

29.7633, 32.0005, 27.1623

Protanomaly

30.1221, 31.9495, 26.7696

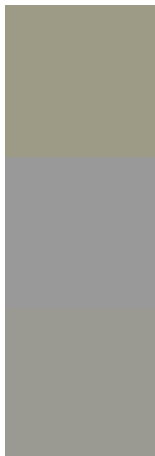
Deuteranomaly

31.4280, 31.8868, 27.4200

Tritanomaly

31.2313, 31.8738, 34.2120

Monochromacy



Original Color

29.7633, 32.0005, 27.1623

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.9060, 31.7278, 31.7420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7633, 32.0005, 27.1623 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(157, 154, 134)` looks like.

```
.text, #text, p{  
    color:rgb(157, 154, 134)  
}
```

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(157, 154, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 154, 134) }
```

Border

The CSS property to change the border of an element to XYZ 29.7633, 32.0005, 27.1623 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(157, 154, 134) }
```


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

```
.border{ border-color:rgb(157, 154, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 154, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 154, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 154, 134);  
box-shadow:4px 4px 4px 4px rgb(157, 154,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7633, 32.0005, 27.1623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 154, 134) }
```

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

```
.background{ background-color: rgb(157,  
154, 134) }
```

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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