

Converting Colors

XYZ(29.5623, 31.9899, 23.0324)

Have a look what the booklet for
XYZ(29.5623, 31.9899, 23.0324)
contains.

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Color

**XYZ(29.5657, 31.9899,
23.0287)**

Conversions

Conversions Part 1

Format	Color
Hex	A09A7A
RGB	160, 154, 122
RGB Percent	63%, 60%, 48%
CMY	0.3725, 0.3961, 0.5216
CMYK	0.00, 0.04, 0.24, 0.37
HSL	51°, 17%, 55%
HSV	51°, 24%, 63%
XYZ	29.5657, 31.9899, 23.0287
YIQ	152.1460, 13.8480, -8.6800

Conversions

Conversions Part 2

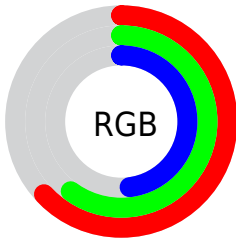
Format	Color
RYB	129, 160, 122
Decimal	10525306
CIELab	63.33, -3.18, 17.62
CIElCh	63, 17.907, 100.221
Yxy	31.9899, 0.3495, 0.3782
Android (android.graphics.Color)	4288715386 (0xFFA09A7A)
YUV	152.1460, -14.8620, 6.8880
Hunter-Lab	56.5596, -5.6711, 15.4513

Details

The XYZ color **29.5657, 31.9899, 23.0287** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.0904, 22.1136, 36.3621**, and the grayscale version is **29.9667, 31.5273, 34.3333**.

A 20% lighter version of the original color is **58.3181, 62.6540, 49.5772**, and **12.2372, 13.3697, 8.2390** is the 20% darker color. If you saturate the color by 10%, you get **28.2428, 30.8020, 18.0928**, and if you desaturate by 10%, it is **31.0623, 33.2635, 28.8286**.

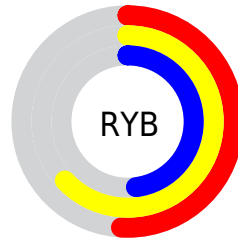
Distribution



Red (63%)

Green (60%)

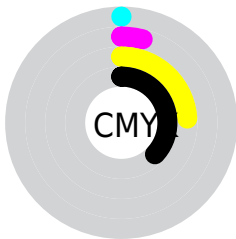
Blue (48%)



Red (51%)

Yellow (63%)

Blue (48%)

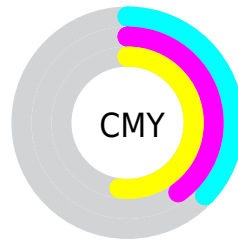


Cyan (0%)

Magenta (4%)

Yellow (24%)

Black (37%)



Cyan (37%)

Magenta (40%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5657, 31.9899, 23.0287 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 29.5657, 31.9899, 23.0287 by changing the saturation by 10% instead.

■ 29.5657, 31.9899,
23.0287

■ 29.5657, 31.9899,
23.0287

291.8211,
311.0732, 280.9991

■ 19.6556, 21.3538,
14.4092

■ 58.3660, 62.7953,
49.3642

■ 12.2518, 13.3829,
8.2638

■ 77.9870, 83.7333,
67.9174

■ 6.9888, 7.6927,
4.1740

■ 101.5756,
108.8741, 90.6188

■ 3.5014, 3.8990,
1.7213

129.4972,
138.6020, 117.8870

■ 1.4241, 1.6172,
0.3753

162.1173,
173.3015, 150.1406

■ 0.2733, 0.3692,
0.0000

199.8010,

■ 0.0000, 0.0000,

213.3570, 187.7981

0.0000

242.9138,
259.1527, 231.2781

■ 29.5657, 31.9899,
23.0287

■ 29.5657, 31.9899,
23.0287

■ 28.2428, 30.8020,
18.0928

■ 31.0623, 33.2635,
28.8286

■ 27.0830, 29.6922,
13.9768

■ 32.7376, 34.6216,
35.5296

■ 26.0785, 28.6583,
10.6359

■ 34.5995, 36.0686,
43.1693

■ 25.2198, 27.6966,
8.0199

■ 36.6545, 37.6071,
51.7822

■ 24.4961, 26.8025,
6.0729

■ 38.9091, 39.2397,
61.4014

■ 23.8953, 25.9712,
4.7309

■ 41.3691, 40.9690,
72.0582

■ 23.4027, 25.1967,
3.9172

■ 44.0404, 42.7973,
83.7828

■ 23.1266, 24.7321,
3.5549

■ 46.9285, 44.7269,
96.6037

■ 48.2160, 46.0310,
100.9514

Harmonies

Analogous

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



32.0506, 31.9899, 23.4793



29.5657, 31.9899, 23.0287



27.4241, 31.9899, 25.3954

Triad

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



29.5657, 31.9899, 23.0287



26.9021, 31.9899, 44.4331



35.1254, 31.9899, 39.6689

Complementary

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



29.5657, 31.9899, 23.0287



22.0904, 22.1136, 36.3621

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.



33.5954, 31.9899, 46.3560



29.5657, 31.9899, 23.0287



28.8175, 31.9899, 49.3555

Square

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



29.5657, 31.9899, 23.0287



25.9427, 31.9899, 37.3158



31.2609, 31.9899, 50.1035



35.3527, 31.9899, 32.4601

Rectangle

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



29.5657, 31.9899, 23.0287



26.4451, 31.9899, 28.4695



31.2609, 31.9899, 50.1035



34.7426, 31.9899, 42.0772

Sweetspot

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



29.5665, 31.9913, 23.0294



58.3745, 62.0098, 60.2044



25.3754, 22.9604, 23.6321



12.7660, 13.5704, 13.0578



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.



29.5665, 31.9913, 23.0294



52.4943, 57.0336, 37.3296



28.1765, 32.7810, 23.2551



7.0810, 7.5420, 7.0682



18.0414, 19.3184, 2.7779



0.3444, 0.3890, 0.0569

Inverse Universe

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



22.0904, 22.1136, 36.3621



36.7352, 36.2144, 65.4404



23.2432, 21.5808, 36.1985



6.3651, 6.5960, 8.3444



5.2400, 2.5716, 26.1274



0.1146, 0.0878, 0.4741

Previews

White Background



This preview shows how the XYZ color 29.5657, 31.9899, 23.0287 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 29.5657, 31.9899, 23.0287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

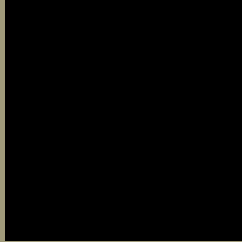
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5657, 31.9899, 23.0287

Background



This preview shows how black text looks on a background with the XYZ color 29.5657, 31.9899, 23.0287.



This preview shows how white text looks on a background with the XYZ color 29.5657, 31.9899,

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

29.5657, 31.9899, 23.0287

Protanopia

30.0083, 31.9741, 23.0024

Deuteranopia

32.3690, 31.7625, 23.1636



Tritanopia

32.6097, 32.0323, 37.7218

Trichromacy



Original Color

29.5657, 31.9899, 23.0287

Protanomaly

29.8044, 31.8690, 22.9928

Deuteranomaly

31.2761, 31.9007, 23.2479

Tritanomaly

31.3592, 31.9951, 31.7170

Monochromacy



Original Color

29.5657, 31.9899, 23.0287

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7165, 31.6741, 29.7468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5657, 31.9899, 23.0287 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(160, 154, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 154, 122) }
```

Border

The CSS property to change the border of an element to XYZ 29.5657, 31.9899, 23.0287 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, 122) }
```


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

```
.border{ border-color:rgb(160, 154, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 154, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 154, 122); box-shadow:4px 4px 4px 4px rgb(160, 154, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5657, 31.9899, 23.0287 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, 122) }
```

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

```
.background{ background-color: rgb(160,  
154, 122) }
```

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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