

Converting Colors

XYZ(31.6559, 34.8216, 23.5617)

Have a look what the booklet for
XYZ(31.6559, 34.8216, 23.5617)
contains.

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Color

**XYZ(31.5676, 34.7874,
23.4632)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A17A
RGB	164, 161, 122
RGB Percent	64%, 63%, 48%
CMY	0.3569, 0.3686, 0.5216
CMYK	0.00, 0.02, 0.26, 0.36
HSL	56°, 19%, 56%
HSV	56°, 26%, 64%
XYZ	31.5676, 34.7874, 23.4632
YIQ	157.4510, 14.3070, -11.4930

Conversions

Conversions Part 2

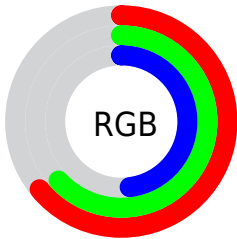
Format	Color
R_{YB}	125, 164, 122
Decimal	10789242
CIE Lab	65.58, -5.39, 20.75
CIE LCh	66, 21.443, 104.554
Yxy	34.7874, 0.3515, 0.3873
Android (android.graphics.Color)	4288979322 (0xFFA4A17A)
YUV	157.4510, -17.4773, 5.7435
Hunter-Lab	58.9808, -7.6801, 17.7004

Details

The XYZ color **31.5676, 34.7874, 23.4632** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.0605, 21.4847, 38.1064**, and the grayscale version is **32.3237, 34.0070, 37.0337**.

A 20% lighter version of the original color is **61.5071, 67.2669, 50.2995**, and **13.4606, 15.0776, 8.5042** is the 20% darker color. If you saturate the color by 10%, you get **30.4329, 34.0091, 18.4877**, and if you desaturate by 10%, it is **32.8776, 35.6413, 29.3441**.

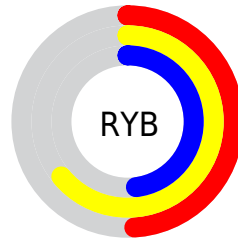
Distribution



Red (64%)

Green (63%)

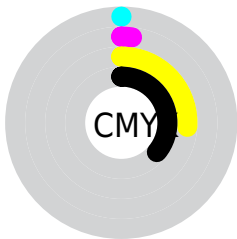
Blue (48%)



Red (49%)

Yellow (64%)

Blue (48%)

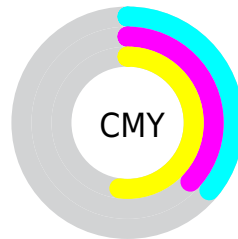


Cyan (0%)

Magenta (2%)

Yellow (26%)

Black (36%)



Cyan (36%)

Magenta (37%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5676, 34.7874, 23.4632 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 31.5676, 34.7874, 23.4632 by changing the saturation by 10% instead.

■ 31.5676, 34.7874,
23.4632

■ 31.5676, 34.7874,
23.4632

300.9252,
323.6289, 283.2939

■ 21.1854, 23.4992,
14.7274

■ 61.5024, 67.1563,
50.0856

■ 13.3728, 14.9625,
8.4838

■ 81.7857, 89.0057,
68.8093

■ 7.7645, 8.7931,
4.3139

■ 106.1000,
115.1443, 91.6993

■ 3.9952, 4.6065,
1.7991

134.8108,
145.9565, 119.1742

■ 1.6994, 2.0183,
0.4273

168.2833,
181.8267, 151.6526

■ 0.4559, 0.6181,
0.0000

206.8830,

■ 0.0000, 0.0000,

223.1392, 189.5530

0.0000

250.9752,
270.2785, 233.2939

■ 31.5676, 34.7874,
23.4632

■ 31.5676, 34.7874,
23.4632

■ 30.4329, 34.0091,
18.4877

■ 32.8776, 35.6413,
29.3441

■ 29.4621, 33.2982,
14.3700

■ 34.3681, 36.5693,
36.1702

■ 28.6467, 32.6525,
11.0616

■ 36.0476, 37.5759,
43.9819

■ 27.9766, 32.0679,
8.5082

■ 37.9230, 38.6640,
52.8163

■ 27.4400, 31.5398,
6.6491

■ 40.0013, 39.8363,
62.7087

■ 27.0237, 31.0628,
5.4140

■ 42.2886, 41.0954,
73.6928

■ 26.7102, 30.6300,
4.7112

■ 44.7912, 42.4437,
85.8007

■ 26.5870, 30.4467,
4.4755

■ 47.5149, 43.8835,
99.0633

■ 48.0240, 44.4406,
100.6545

Harmonies

Analogous

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



34.7016, 34.7874, 23.5139



31.5676, 34.7874, 23.4632



28.9998, 34.7874, 26.8261

Triad

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



31.5676, 34.7874, 23.4632



28.9388, 34.7874, 51.3768



39.2438, 34.7874, 42.6809

Complementary

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



31.5676, 34.7874, 23.4632



22.0605, 21.4847, 38.1064

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.



37.4920, 34.7874, 51.6108



31.5676, 34.7874, 23.4632



31.4795, 34.7874, 57.1479

Square

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



31.5676, 34.7874, 23.4632



27.5487, 34.7874, 42.3995



34.6077, 34.7874, 57.2398



39.2711, 34.7874, 33.6892

Rectangle

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



31.5676, 34.7874, 23.4632



27.8978, 34.7874, 30.9116



34.6077, 34.7874, 57.2398



38.8324, 34.7874, 45.8185

Sweetspot

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



31.5685, 34.7890, 23.4639



61.6639, 65.9376, 62.3390



26.0035, 23.3055, 22.6983



13.3935, 14.3612, 13.2268



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.5685, 34.7890, 23.4639



56.0335, 62.2863, 37.0024



28.7318, 34.1133, 23.4830



7.6060, 8.1504, 7.5524



20.4001, 23.3741, 3.4365



0.4406, 0.5150, 0.0762

Inverse Universe

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



22.0605, 21.4847, 38.1064



35.6547, 33.7730, 68.3920



24.3919, 22.1320, 38.1085



6.7392, 6.9374, 8.8869



5.2504, 2.2803, 27.0932



0.1218, 0.0708, 0.5731

Previews

White Background



This preview shows how the XYZ color 31.5676, 34.7874, 23.4632 looks on a white background.

Color Contrast Check

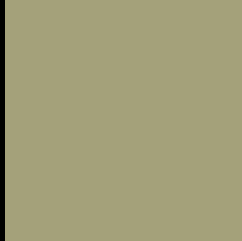
Large Text (above 18pt) WCAG AA × Fail

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 31.5676, 34.7874, 23.4632 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

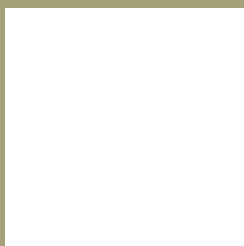
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5676, 34.7874, 23.4632

Background



This preview shows how black text looks on a background with the XYZ color 31.5676, 34.7874, 23.4632.



This preview shows how white text looks on a background with the XYZ color 31.5676, 34.7874,

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

31.5676, 34.7874, 23.4632

Protanopia

32.4269, 34.7228, 23.0822

Deuteranopia

35.5228, 34.8025, 23.9141



Tritanopia

35.2740, 34.7788, 41.4130

Trichromacy



Original Color

31.5676, 34.7874, 23.4632

Protanomaly

32.1704, 34.8469, 23.1197

Deuteranomaly

34.0540, 34.7907, 23.6593

Tritanomaly

33.7913, 34.6731, 34.1897

Monochromacy



Original Color

31.5676, 34.7874, 23.4632

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.7581, 33.9409, 31.2630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5676, 34.7874, 23.4632 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(164, 161, 122)` looks like.

```
.text, #text, p{  
    color:rgb(164, 161, 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(164, 161, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 161, 122) }
```

Border

The CSS property to change the border of an element to XYZ 31.5676, 34.7874, 23.4632 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(164, 161, 122) }
```


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

```
.border{ border-color:rgb(164, 161, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 161, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 161, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 161, 122);  
box-shadow:4px 4px 4px 4px rgb(164, 161,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5676, 34.7874, 23.4632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 161, 122) }
```

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

```
.background{ background-color: rgb(164,  
161, 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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