

Converting Colors

XYZ(31.7734, 32.7788, 25.0338)

Have a look what the booklet for
XYZ(31.7734, 32.7788, 25.0338)
contains.

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Color

**XYZ(31.8651, 32.8870,
25.0904)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9980
RGB	170, 153, 128
RGB Percent	67%, 60%, 50%
CMY	0.3333, 0.4000, 0.4980
CMYK	0.00, 0.10, 0.25, 0.33
HSL	36°, 20%, 58%
HSV	36°, 25%, 67%
XYZ	31.8651, 32.8870, 25.0904
YIQ	155.2330, 18.1570, -4.1710

Conversions

Conversions Part 2

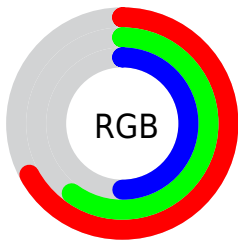
Format	Color
RYB	157, 170, 128
Decimal	11180416
CIELab	64.07, 2.22, 15.43
CIELCh	64, 15.594, 81.816
Yxy	32.8870, 0.3547, 0.3661
Android (android.graphics.Color)	4289370496 (0xFFAA9980)
YUV	155.2330, -13.4259, 12.9507
Hunter-Lab	57.3472, -1.1736, 14.2026

Details

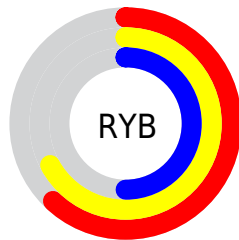
The XYZ color **31.8651, 32.8870, 25.0904** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.2831, 27.7417, 41.9999**, and the grayscale version is **31.3116, 32.9422, 35.8741**.

A 20% lighter version of the original color is **62.0173, 64.1306, 52.8258**, and **13.4988, 13.8492, 9.3588** is the 20% darker color. If you saturate the color by 10%, you get **29.7451, 30.2900, 19.3181**, and if you desaturate by 10%, it is **34.2393, 35.6918, 31.8732**.

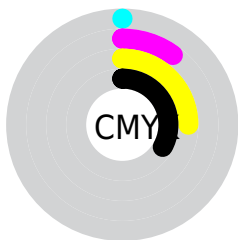
Distribution



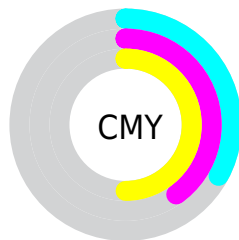
- Red (67%)
- Green (60%)
- Blue (50%)



- Red (62%)
- Yellow (67%)
- Blue (50%)



- Cyan (0%)
- Magenta (10%)
- Yellow (25%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8651, 32.8870, 25.0904 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 31.8651, 32.8870, 25.0904 by changing the saturation by 10% instead.

■ 31.8651, 32.8870,
25.0904

■ 31.8651, 32.8870,
25.0904

302.2605,
315.1402, 291.7499

■ 21.4135, 22.0399,
15.9248

■ 61.9662, 64.1991,
52.7698

■ 13.5408, 13.8862,
9.3172

■ 82.3464, 85.4328,
72.1206

■ 7.8815, 8.0416,
4.8490

■ 106.7668,
110.8976, 95.7036

■ 4.0704, 4.1216,
2.1018

135.5929,
140.9777, 123.9373

■ 1.7420, 1.7418,
0.6168

169.1900,
176.0577, 157.2403

■ 0.4824, 0.4505,
0.0000

207.9234,

■ 0.0000, 0.0000,

216.5218, 196.0310

0.0000

252.1584,
262.7545, 240.7280

■ 31.8651, 32.8870,
25.0904

■ 31.8651, 32.8870,
25.0904

■ 29.7451, 30.2900,
19.3181

■ 34.2393, 35.6918,
31.8732

■ 27.8662, 27.8905,
14.5046

■ 36.8748, 38.7056,
39.7105

■ 26.2182, 25.6837,
10.5970

■ 39.7817, 41.9352,
48.6461

■ 24.7886, 23.6629,
7.5360

■ 42.9686, 45.3856,
58.7210

■ 23.5638, 21.8206,
5.2554

■ 46.4439, 49.0619,
69.9738

■ 22.5282, 20.1488,
3.6791

■ 50.2154, 52.9685,
82.4414

■ 21.6630, 18.6378,
2.7142

■ 54.2907, 57.1102,
96.1589

■ 21.2512, 17.8932,
2.3337

■ 57.1936, 60.8979,
103.3478

■ 58.9079, 64.3266,
103.9192

Harmonies

Analogous

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



33.9512, 32.8870, 27.0921



31.8651, 32.8870, 25.0904



29.7098, 32.8870, 25.6831

Triad

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



31.8651, 32.8870, 25.0904



27.4873, 32.8870, 40.5099



34.7082, 32.8870, 43.8456

Complementary

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



31.8651, 32.8870, 25.0904



26.2831, 27.7417, 41.9999

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.



32.8593, 32.8870, 48.2963



31.8651, 32.8870, 25.0904



28.7114, 32.8870, 46.2183

Square

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



31.8651, 32.8870, 25.0904



27.2490, 32.8870, 34.1087



30.6589, 32.8870, 49.2121



35.6423, 32.8870, 37.5635

Rectangle

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



31.8651, 32.8870, 25.0904



28.5174, 32.8870, 27.5048



30.6589, 32.8870, 49.2121



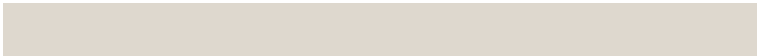
34.1690, 32.8870, 45.6346

Sweetspot

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



31.8660, 32.8885, 25.0911



65.7025, 68.8671, 68.4267



29.4466, 26.0446, 30.4661



14.5896, 15.2869, 15.0727



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.8660, 32.8885, 25.0911



55.5159, 56.8752, 39.1924



34.1022, 38.4694, 26.0505



7.8884, 8.2568, 7.9672



15.6883, 13.2738, 1.7352



0.4299, 0.4194, 0.0583

Inverse Universe

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



26.2831, 27.7417, 41.9999



43.5138, 45.8133, 75.5513



24.4130, 23.2064, 41.2231



7.3717, 7.7804, 9.5316



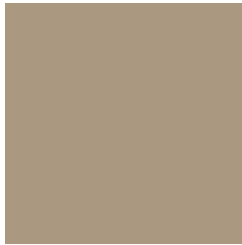
6.9455, 5.3512, 28.6423



0.2195, 0.2312, 0.7137

Previews

White Background



This preview shows how the XYZ color 31.8651, 32.8870, 25.0904 looks on a white background.

Color Contrast Check

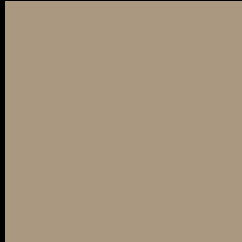
Large Text (above 18pt) WCAG AA × Fail

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 31.8651, 32.8870, 25.0904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

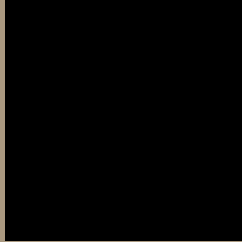
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8651, 32.8870, 25.0904

Background



This preview shows how black text looks on a background with the XYZ color 31.8651, 32.8870, 25.0904.



This preview shows how white text looks on a background with the XYZ color 31.8651, 32.8870,

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

31.8651, 32.8870, 25.0904

Protanopia

30.9936, 32.9202, 25.4896

Deuteranopia

33.5323, 32.7832, 25.3293



Tritanopia

34.3906, 32.7165, 37.7600

Trichromacy



Original Color

31.8651, 32.8870, 25.0904

Protanomaly

31.2439, 32.8032, 25.4538

Deuteranomaly

32.7733, 32.6278, 25.3393

Tritanomaly

33.4852, 32.8350, 32.5899

Monochromacy



Original Color

31.8651, 32.8870, 25.0904

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1636, 32.6291, 31.4436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8651, 32.8870, 25.0904 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(170, 153, 128)` looks like.

```
.text, #text, p{  
    color:rgb(170, 153, 128)  
}
```

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(170, 153, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 153, 128) }
```

Border

The CSS property to change the border of an element to XYZ 31.8651, 32.8870, 25.0904 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(170, 153, 128) }
```


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

```
.border{ border-color:rgb(170, 153, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 153, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 153, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 153, 128);  
box-shadow:4px 4px 4px 4px rgb(170, 153,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8651, 32.8870, 25.0904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 153, 128) }
```

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

```
.background{ background-color: rgb(170,  
153, 128) }
```

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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