

Converting Colors

XYZ(31.2722, 33.6554, 18.6544)

Have a look what the booklet for
XYZ(31.2722, 33.6554, 18.6544)
contains.

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Color

**XYZ(31.2884, 33.7215,
18.7697)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9D6B
RGB	170, 157, 107
RGB Percent	67%, 62%, 42%
CMY	0.3333, 0.3843, 0.5804
CMYK	0.00, 0.08, 0.37, 0.33
HSL	48°, 27%, 54%
HSV	48°, 37%, 67%
XYZ	31.2884, 33.7215, 18.7697
YIQ	155.1870, 23.7980, -12.7940

Conversions

Conversions Part 2

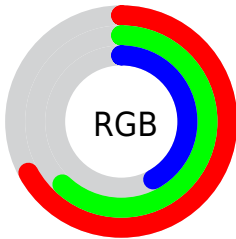
Format	Color
RYB	123, 170, 107
Decimal	11181419
CIELab	64.74, -2.78, 27.90
CIElCh	65, 28.038, 95.697
Yxy	33.7215, 0.3735, 0.4025
Android (android.graphics.Color)	4289371499 (0xFFAA9D6B)
YUV	155.1870, -23.7562, 12.9910
Hunter-Lab	58.0702, -5.4466, 21.4852

Details

The XYZ color **31.2884, 33.7215, 18.7697** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.0355, 19.4605, 40.7306**, and the grayscale version is **31.3338, 32.9656, 35.8995**.

A 20% lighter version of the original color is **60.9163, 65.2605, 42.1868**, and **13.2796, 14.4057, 6.2184** is the 20% darker color. If you saturate the color by 10%, you get **29.8960, 32.2299, 14.3185**, and if you desaturate by 10%, it is **32.8754, 35.3206, 24.1541**.

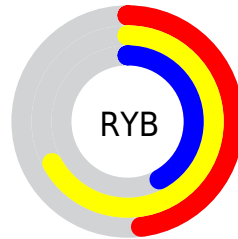
Distribution



Red (67%)

Green (62%)

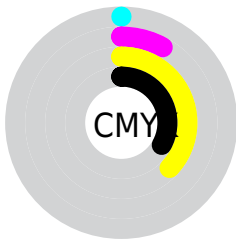
Blue (42%)



Red (48%)

Yellow (67%)

Blue (42%)

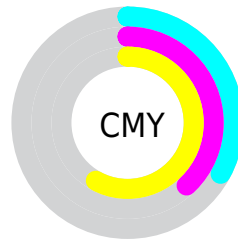


Cyan (0%)

Magenta (8%)

Yellow (37%)

Black (33%)



Cyan (33%)

Magenta (38%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2884, 33.7215, 18.7697 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 31.2884, 33.7215, 18.7697 by changing the saturation by 10% instead.

■ 31.2884, 33.7215,
18.7697

■ 31.2884, 33.7215,
18.7697

299.6680,
318.8884, 257.5546

■ 20.9715, 22.6797,
11.3289

■ 61.0666, 65.5003,
42.1761

■ 13.2155, 14.3572,
6.1715

■ 81.2586, 87.0062,
58.9787

■ 7.6551, 8.3695,
2.8792

■ 105.4729,
112.7689, 79.7390

■ 3.9250, 4.3323,
1.0333

■ 134.0750,
143.1728, 104.8755

■ 1.6598, 1.8611,
0.0000

167.4302,
178.6023, 134.8068

■ 0.4309, 0.5248,
0.0000

205.9039,

■ 0.0000, 0.0000,

219.4418, 169.9514

0.0000

249.8614,
266.0757, 210.7278

■ 31.2884, 33.7215,
18.7697

■ 31.2884, 33.7215,
18.7697

■ 29.8960, 32.2299,
14.3185

■ 32.8754, 35.3206,
24.1541

■ 28.6851, 30.8368,
10.7438

■ 34.6642, 37.0266,
30.5197

■ 27.6451, 29.5388,
7.9861

■ 36.6644, 38.8450,
37.9139

■ 26.7628, 28.3305,
5.9773

■ 38.8846, 40.7792,
46.3800

■ 26.0232, 27.2056,
4.6388

■ 41.3326, 42.8327,
55.9592

■ 25.4039, 26.1549,
3.8531

■ 44.0160, 45.0086,
66.6903

■ 25.2320, 25.8548,
3.6606

■ 46.9418, 47.3102,
78.6104

■ 50.1170, 49.7401,
91.7547

■ 52.7321, 51.9751,
101.8607

Harmonies

Analogous

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



35.3463, 33.7215, 19.9818



31.2884, 33.7215, 18.7697



27.7403, 33.7215, 21.4861

Triad

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



31.2884, 33.7215, 18.7697



26.1628, 33.7215, 51.2434



39.6425, 33.7215, 46.6255

Complementary

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



31.2884, 33.7215, 18.7697



20.0355, 19.4605, 40.7306

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.



36.7873, 33.7215, 57.8421



31.2884, 33.7215, 18.7697



28.9676, 33.7215, 60.8754

Square

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



31.2884, 33.7215, 18.7697



24.9444, 33.7215, 38.9637



32.8264, 33.7215, 63.5131



40.3941, 33.7215, 34.5583

Rectangle

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



31.2884, 33.7215, 18.7697



26.0685, 33.7215, 25.5794



32.8264, 33.7215, 63.5131



38.8859, 33.7215, 50.6930

Sweetspot

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



31.2892, 33.7230, 18.7704



64.9730, 69.0884, 63.0029



25.2653, 20.4337, 20.5897



14.3830, 15.3105, 13.6571



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.



31.2892, 33.7230, 18.7704



54.7846, 59.0738, 27.6620



30.0058, 36.5011, 19.3743



8.0135, 8.5071, 8.0089



18.6015, 19.1002, 2.7063



0.4848, 0.5292, 0.0766

Inverse Universe

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



20.0355, 19.4605, 40.7306



31.5409, 29.6282, 73.0583



20.9493, 17.7668, 40.3555



7.2525, 7.5420, 9.4918



5.8147, 3.0895, 28.2654



0.1755, 0.1433, 0.6991

Previews

White Background



This preview shows how the XYZ color 31.2884, 33.7215, 18.7697 looks on a white background.

Color Contrast Check

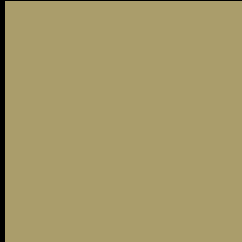
Large Text (above 18pt) WCAG AA × Fail

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 31.2884, 33.7215, 18.7697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

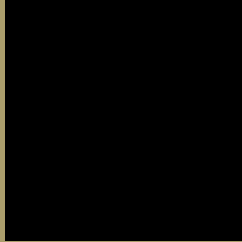
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2884, 33.7215, 18.7697

Background



This preview shows how black text looks on a background with the XYZ color 31.2884, 33.7215, 18.7697.



This preview shows how white text looks on a background with the XYZ color 31.2884, 33.7215,

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

31.2884, 33.7215, 18.7697

Protanopia

31.2884, 33.7215, 18.7697

Deuteranopia

34.1066, 33.4602, 18.8482



Tritanopia

35.3324, 33.6514, 38.8156

Trichromacy



Original Color

31.2884, 33.7215, 18.7697

Protanomaly

31.2884, 33.7215, 18.7697

Deuteranomaly

33.1541, 33.6889, 18.9426

Tritanomaly

33.7293, 33.7341, 30.3248

Monochromacy



Original Color

31.2884, 33.7215, 18.7697

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9731, 33.0855, 28.7984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2884, 33.7215, 18.7697 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, 157, 107)` looks like.

```
.text, #text, p{  
    color:rgb(170, 157, 107)  
}
```

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, 157, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 157, 107) }
```

Border

The CSS property to change the border of an element to XYZ 31.2884, 33.7215, 18.7697 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, 157, 107) }
```


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

```
.border{ border-color:rgb(170, 157, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 157, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 157, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 157, 107);  
box-shadow:4px 4px 4px 4px rgb(170, 157,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2884, 33.7215, 18.7697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 157, 107) }
```

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

```
.background{ background-color: rgb(170,  
157, 107) }
```

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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