

Converting Colors

XYZ(31.1893, 33.3627, 21.3188)

Have a look what the booklet for
XYZ(31.1893, 33.3627, 21.3188)
contains.

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Color

**XYZ(31.1893, 33.3627,
21.3188)**

Conversions

Conversions Part 1

Format	Color
Hex	A89C74
RGB	168, 156, 116
RGB Percent	66%, 61%, 45%
CMY	0.3412, 0.3882, 0.5451
CMYK	0.00, 0.07, 0.31, 0.34
HSL	46°, 23%, 56%
HSV	46°, 31%, 66%
XYZ	31.1893, 33.3627, 21.3188
YIQ	155.0280, 19.9920, -9.8960

Conversions

Conversions Part 2

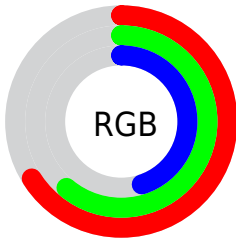
Format	Color
RYB	132, 168, 116
Decimal	11050100
CIELab	64.45, -1.91, 22.58
CIELCh	64, 22.658, 94.834
Yxy	33.3627, 0.3632, 0.3885
Android (android.graphics.Color)	4289240180 (0xFFA89C74)
YUV	155.0280, -19.2408, 11.3764
Hunter-Lab	57.7605, -4.6950, 18.5490

Details

The XYZ color **31.1893, 33.3627, 21.3188** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.9894, 21.9779, 40.1291**, and the grayscale version is **31.2451, 32.8723, 35.7979**.

A 20% lighter version of the original color is **60.8549, 64.7676, 46.3398**, and **13.1349, 14.1532, 7.3498** is the 20% darker color. If you saturate the color by 10%, you get **29.6594, 31.7278, 16.4158**, and if you desaturate by 10%, it is **32.9184, 35.1128, 27.1609**.

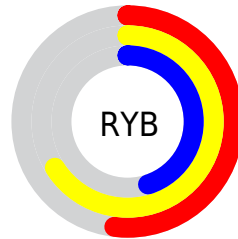
Distribution



Red (66%)

Green (61%)

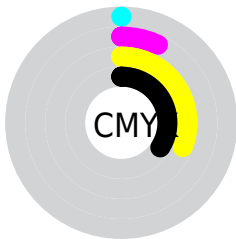
Blue (45%)



Red (52%)

Yellow (66%)

Blue (45%)

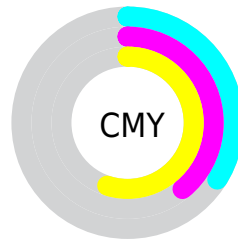


Cyan (0%)

Magenta (7%)

Yellow (31%)

Black (34%)



Cyan (34%)

Magenta (39%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1893, 33.3627, 21.3188 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 31.1893, 33.3627, 21.3188 by changing the saturation by 10% instead.

■ 31.1893, 33.3627,
21.3188

■ 31.1893, 33.3627,
21.3188

299.2208,
317.2809, 271.8044

■ 20.8956, 22.4044,
13.1637

■ 60.9118, 64.9414,
46.5052

■ 13.1597, 14.1544,
7.4093

■ 81.0713, 86.3306,
64.3735

■ 7.6164, 8.2281,
3.6371

■ 105.2501,
111.9656, 86.3167

■ 3.9002, 4.2413,
1.4284

133.8135,
142.2307, 112.7533

■ 1.6458, 1.8094,
0.1638

167.1269,
177.5104, 144.1019

■ 0.4220, 0.4930,
0.0000

205.5557,

■ 0.0000, 0.0000,

218.1891, 180.7809

0.0000

249.4652,
264.6511, 223.2089

■ 31.1893, 33.3627,
21.3188

■ 31.1893, 33.3627,
21.3188

■ 29.6594, 31.7278,
16.4158

■ 32.9184, 35.1128,
27.1609

■ 28.3164, 30.1994,
12.3996

■ 34.8532, 36.9776,
33.9866

■ 27.1506, 28.7745,
9.2159

■ 37.0030, 38.9621,
41.8400

■ 26.1502, 27.4480,
6.8035

■ 39.3756, 41.0699,
50.7618

■ 25.3018, 26.2143,
5.0929

■ 41.9786, 43.3042,
60.7906

■ 24.5895, 25.0666,
4.0018

■ 44.8190, 45.6682,
71.9631

■ 24.0308, 24.0895,
3.3832

■ 47.9038, 48.1649,
84.3141

■ 51.2393, 50.7971,
97.8773

■ 52.8044, 52.7566,
102.0077

Harmonies

Analogous

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



34.4275, 33.3627, 22.4792



31.1893, 33.3627, 21.3188



28.2907, 33.3627, 23.5863

Triad

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



31.1893, 33.3627, 21.3188



26.8771, 33.3627, 47.4728



37.6752, 33.3627, 44.4341

Complementary

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



31.1893, 33.3627, 21.3188



21.9894, 21.9779, 40.1291

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.



35.3948, 33.3627, 52.9844



31.1893, 33.3627, 21.3188



29.1399, 33.3627, 54.9373

Square

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



31.1893, 33.3627, 21.3188



25.9111, 33.3627, 37.8472



32.2370, 33.3627, 57.1081



38.3158, 33.3627, 34.8467

Rectangle

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



31.1893, 33.3627, 21.3188



26.8955, 33.3627, 27.0081



32.2370, 33.3627, 57.1081



37.0678, 33.3627, 47.5736

Sweetspot

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



31.1902, 33.3642, 21.3195



63.9141, 67.7284, 64.0804



26.2992, 22.3780, 23.4018



13.8160, 14.6544, 13.5541



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.1902, 33.3642, 21.3195



54.6918, 58.5245, 32.5189



30.5071, 36.1495, 21.8931



7.9980, 8.4760, 8.0038



18.1872, 18.2716, 2.5682



0.4775, 0.5145, 0.0741

Inverse Universe

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



21.9894, 21.9779, 40.1291



35.3696, 34.6198, 72.0432



22.4991, 20.0537, 39.7308



7.2670, 7.5710, 9.4967



5.9128, 3.2859, 28.2981



0.1809, 0.1541, 0.7009

Previews

White Background



This preview shows how the XYZ color 31.1893, 33.3627, 21.3188 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 31.1893, 33.3627, 21.3188 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 31.1893, 33.3627, 21.3188

Background



This preview shows how black text looks on a background with the XYZ color 31.1893, 33.3627, 21.3188.



This preview shows how white text looks on a background with the XYZ color 31.1893, 33.3627,

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

31.1893, 33.3627, 21.3188

Protanopia

31.1893, 33.3627, 21.3188

Deuteranopia

33.8844, 33.2874, 21.4688



Tritanopia

34.6615, 33.3056, 38.7842

Trichromacy



Original Color

31.1893, 33.3627, 21.3188

Protanomaly

31.1893, 33.3627, 21.3188

Deuteranomaly

32.7992, 33.2058, 21.5103

Tritanomaly

33.1337, 33.1587, 31.4420

Monochromacy



Original Color

31.1893, 33.3627, 21.3188

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0263, 32.8394, 29.9027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1893, 33.3627, 21.3188 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(168, 156, 116)` looks like.

```
.text, #text, p{  
    color:rgb(168, 156, 116)  
}
```

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(168, 156, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 156, 116) }
```

Border

The CSS property to change the border of an element to XYZ 31.1893, 33.3627, 21.3188 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(168, 156, 116) }
```


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

```
.border{ border-color:rgb(168, 156, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 156, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 156, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 156, 116);  
box-shadow:4px 4px 4px 4px rgb(168, 156,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1893, 33.3627, 21.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 156, 116) }
```

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

```
.background{ background-color: rgb(168,  
156, 116) }
```

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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