

Converting Colors

XYZ(30.8044, 31.6681, 21.9550)

Have a look what the booklet for
XYZ(30.8044, 31.6681, 21.9550)
contains.

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Color

**XYZ(30.8137, 31.6906,
21.9456)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9677
RGB	170, 150, 119
RGB Percent	67%, 59%, 47%
CMY	0.3333, 0.4117, 0.5333
CMYK	0.00, 0.12, 0.30, 0.33
HSL	36°, 23%, 57%
HSV	36°, 30%, 67%
XYZ	30.8137, 31.6906, 21.9456
YIQ	152.4460, 21.8710, -5.4010

Conversions

Conversions Part 2

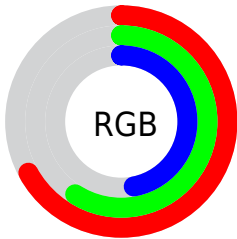
Format	Color
RYB	152, 170, 119
Decimal	11179639
CIELab	63.09, 2.59, 19.09
CIELCh	63, 19.269, 82.265
Yxy	31.6906, 0.3649, 0.3753
Android (android.graphics.Color)	4289369719 (0xFFAA9677)
YUV	152.4460, -16.4889, 15.3949
Hunter-Lab	56.2944, -0.8102, 16.2927

Details

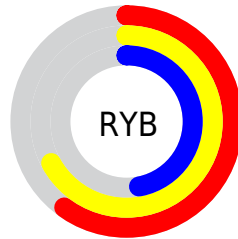
The XYZ color **30.8137, 31.6906, 21.9456** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.0959, 25.2889, 41.6417**, and the grayscale version is **30.1010, 31.6686, 34.4871**.

A 20% lighter version of the original color is **60.3076, 62.2948, 47.3736**, and **12.9034, 13.1478, 7.6520** is the 20% darker color. If you saturate the color by 10%, you get **28.8494, 29.2522, 16.6964**, and if you desaturate by 10%, it is **33.0229, 34.3260, 28.1782**.

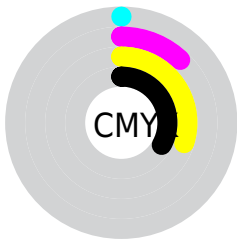
Distribution



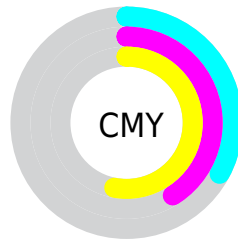
- Red (67%)
- Green (59%)
- Blue (47%)



- Red (60%)
- Yellow (67%)
- Blue (47%)



- Cyan (0%)
- Magenta (12%)
- Yellow (30%)
- Black (33%)



- Cyan (33%)
- Magenta (41%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8137, 31.6906, 21.9456 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 30.8137, 31.6906, 21.9456 by changing the saturation by 10% instead.

■ 30.8137, 31.6906,
21.9456

■ 30.8137, 31.6906,
21.9456

297.5213,
309.7074, 275.2063

■ 20.6082, 21.1253,
13.6190

■ 60.3245, 62.3257,
47.5571

■ 12.9487, 13.2156,
7.7204

■ 80.3604, 83.1643,
65.6791

■ 7.4700, 7.5772,
3.8314

■ 104.4039,
108.1962, 87.9033

■ 3.8067, 3.8256,
1.5333

132.8202,
137.8056, 114.6482

■ 1.5933, 1.5765,
0.2426

165.9748,
172.3771, 146.3325

■ 0.3881, 0.3417,
0.0000

204.2329,

■ 0.0000, 0.0000,

212.2949, 183.3745

0.0000

247.9600,
257.9436, 226.1929

■ 30.8137, 31.6906,
21.9456

■ 30.8137, 31.6906,
21.9456

■ 28.8494, 29.2522,
16.6964

■ 33.0229, 34.3260,
28.1782

■ 27.1166, 27.0005,
12.3770

■ 35.4843, 37.1597,
35.4399

■ 25.6047, 24.9307,
8.9316

■ 38.2084, 40.1982,
43.7762

■ 24.3007, 23.0360,
6.2977

■ 41.2038, 43.4467,
53.2289

■ 23.1900, 21.3089,
4.4042

■ 44.4790, 46.9099,
63.8379

■ 22.2559, 19.7407,
3.1677

■ 48.0419, 50.5925,
75.6410

■ 21.4623, 18.3154,
2.4041

■ 51.9004, 54.4989,
88.6741

■ 21.4623, 18.3153,
2.4040

■ 56.0613, 58.6334,
102.9704

■ 57.6728, 61.8564,
103.5075

Harmonies

Analogous

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



33.3564, 31.6906, 24.1818



30.8137, 31.6906, 21.9456



28.2269, 31.6906, 22.6614

Triad

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



30.8137, 31.6906, 21.9456



25.6370, 31.6906, 40.3501



34.3436, 31.6906, 44.2549

Complementary

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



30.8137, 31.6906, 21.9456



24.0959, 25.2889, 41.6417

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.



32.0979, 31.6906, 49.8907



30.8137, 31.6906, 21.9456



27.1019, 31.6906, 47.4153

Square

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



30.8137, 31.6906, 21.9456



25.3379, 31.6906, 32.5740



29.4387, 31.6906, 51.1251



35.4710, 31.6906, 36.5123

Rectangle

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



30.8137, 31.6906, 21.9456



26.8147, 31.6906, 24.7728



29.4387, 31.6906, 51.1251



33.6884, 31.6906, 46.5027

Sweetspot

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



30.8145, 31.6921, 21.9463



64.7771, 67.8686, 65.4906



27.8642, 23.6159, 27.6697



14.2963, 14.9660, 14.1558



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.



30.8145, 31.6921, 21.9463



53.4892, 54.5176, 33.2887



33.2010, 38.0702, 23.0516



7.8962, 8.2725, 7.9699



15.8432, 13.5837, 1.7869



0.4331, 0.4257, 0.0593

Inverse Universe

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



24.0959, 25.2889, 41.6417



39.3182, 41.0171, 74.8467



22.1795, 20.3889, 40.7969



7.3641, 7.7650, 9.5290



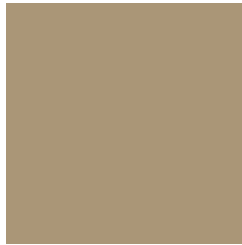
6.8499, 5.1601, 28.6105



0.2167, 0.2256, 0.7128

Previews

White Background



This preview shows how the XYZ color 30.8137, 31.6906, 21.9456 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 30.8137, 31.6906, 21.9456 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 30.8137, 31.6906, 21.9456

Background



This preview shows how black text looks on a background with the XYZ color 30.8137, 31.6906, 21.9456.



This preview shows how white text looks on a background with the XYZ color 30.8137, 31.6906,

21.9456.

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

30.8137, 31.6906, 21.9456

Protanopia

29.8857, 31.9251, 22.3563

Deuteranopia

32.4143, 31.8072, 22.2003



Tritanopia

33.5817, 31.6498, 35.7916

Trichromacy



Original Color

30.8137, 31.6906, 21.9456

Protanomaly

30.3443, 31.9195, 22.3311

Deuteranomaly

31.8846, 31.7660, 22.2202

Tritanomaly

32.6252, 31.7348, 30.3925

Monochromacy



Original Color

30.8137, 31.6906, 21.9456

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.0983, 31.3976, 29.2849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8137, 31.6906, 21.9456 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, 150, 119)` looks like.

```
.text, #text, p{  
    color:rgb(170, 150, 119)  
}
```

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, 150, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 150, 119) }
```

Border

The CSS property to change the border of an element to XYZ 30.8137, 31.6906, 21.9456 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, 150, 119) }
```


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

```
.border{ border-color:rgb(170, 150, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 150, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 150, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 150, 119);  
box-shadow:4px 4px 4px 4px rgb(170, 150,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8137, 31.6906, 21.9456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 150, 119) }
```

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

```
.background{ background-color: rgb(170,  
150, 119) }
```

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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