

Converting Colors

XYZ(31.7649, 34.9205, 21.2873)

Have a look what the booklet for
XYZ(31.7649, 34.9205, 21.2873)
contains.

XYZ(31.7757, 34.9430, 21.2896)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.7757, 34.9430,
21.2896)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A173
RGB	167, 161, 115
RGB Percent	65%, 63%, 45%
CMY	0.3451, 0.3686, 0.5490
CMYK	0.00, 0.04, 0.31, 0.35
HSL	53°, 23%, 55%
HSV	53°, 31%, 65%
XYZ	31.7757, 34.9430, 21.2896
YIQ	157.5500, 18.3420, -13.0340

Conversions

Conversions Part 2

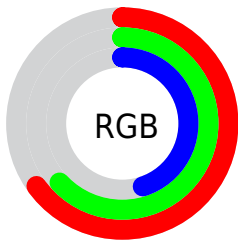
Format	Color
RYB	122, 167, 115
Decimal	10985843
CIELab	65.70, -5.15, 24.79
CIElCh	66, 25.317, 101.743
Yxy	34.9430, 0.3611, 0.3970
Android (android.graphics.Color)	4289175923 (0xFFA7A173)
YUV	157.5500, -20.9772, 8.2876
Hunter-Lab	59.1126, -7.4952, 20.0253

Details

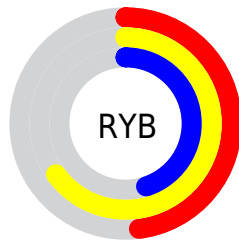
The XYZ color **31.7757, 34.9430, 21.2896** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.8826, 20.1091, 39.3400**, and the grayscale version is **32.3824, 34.0689, 37.1010**.

A 20% lighter version of the original color is **61.9623, 67.5897, 46.3396**, and **13.4987, 15.1226, 7.3618** is the 20% darker color. If you saturate the color by 10%, you get **30.5669, 33.9264, 16.5675**, and if you desaturate by 10%, it is **33.1656, 36.0428, 26.9319**.

Distribution



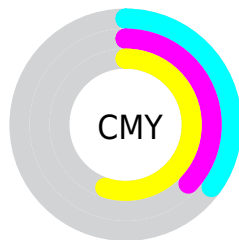
- Red (65%)
- Green (63%)
- Blue (45%)



- Red (48%)
- Yellow (65%)
- Blue (45%)



- Cyan (0%)
- Magenta (4%)
- Yellow (31%)
- Black (35%)



- Cyan (35%)
- Magenta (37%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7757, 34.9430, 21.2896 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 31.7757, 34.9430, 21.2896 by changing the saturation by 10% instead.

■ 31.7757, 34.9430,
21.2896

■ 31.7757, 34.9430,
21.2896

301.8597,
324.3167, 271.6450

■ 21.3449, 23.6190,
13.1426

■ 61.8269, 67.3975,
46.4560

■ 13.4903, 15.0512,
7.3949

■ 82.1780, 89.2967,
64.3125

■ 7.8463, 8.8553,
3.6281

■ 106.5666,
115.4897, 86.2426

■ 4.0478, 4.6469,
1.4236

135.3581,
146.3611, 112.6647

■ 1.7292, 2.0416,
0.1600

168.9178,
182.2950, 143.9975

■ 0.4744, 0.6315,
0.0000

207.6110,

■ 0.0000, 0.0000,

223.6760, 180.6594

0.0000

251.8032,
270.8884, 223.0691

■ 31.7757, 34.9430,
21.2896

■ 31.7757, 34.9430,
21.2896

■ 30.5669, 33.9264,
16.5675

■ 33.1656, 36.0428,
26.9319

■ 29.5271, 32.9844,
12.7138

■ 34.7426, 37.2245,
33.5379

■ 28.6469, 32.1145,
9.6750


■ 36.5158, 38.4931,
41.1512


■ 27.9147, 31.3120,
7.3907


■ 38.4928, 39.8516,
49.8119

■ 27.3176, 30.5716,
5.7924


■ 40.6809, 41.3030,
59.5581

 26.8401, 29.8872,
4.7987

 43.0870, 42.8501,
70.4259

 26.4861, 29.3151,
4.2624

 45.7175, 44.4954,
82.4496

 48.5789, 46.2416,
95.6623

 49.9734, 47.4097,
101.1248

Harmonies

Analogous

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



35.5071, 34.9430, 21.7019



31.7757, 34.9430, 21.2896



28.6680, 34.9430, 24.7019

Triad

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



31.7757, 34.9430, 21.2896



28.1495, 34.9430, 53.4041



40.4894, 34.9430, 44.8420

Complementary

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



31.7757, 34.9430, 21.2896



20.8826, 20.1091, 39.3400

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.



38.2130, 34.9430, 55.4970



31.7757, 34.9430, 21.2896



31.0185, 34.9430, 61.0418

Square

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



31.7757, 34.9430, 21.2896



26.6815, 34.9430, 42.3766



34.6915, 34.9430, 61.8723



40.7302, 34.9430, 34.0228

Rectangle

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



31.7757, 34.9430, 21.2896



27.2942, 34.9430, 29.1383



34.6915, 34.9430, 61.8723



39.9294, 34.9430, 48.6083

Sweetspot

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



31.7766, 34.9446, 21.2903



62.8204, 67.1027, 62.6103



25.5227, 21.8595, 20.9852



13.9621, 14.9466, 13.6028



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.



31.7766, 34.9446, 21.2903



55.4592, 61.3764, 32.4228



28.9580, 35.0846, 21.4659



8.0719, 8.6239, 8.0284



20.2903, 22.4779, 3.2693



0.5138, 0.5871, 0.0862

Inverse Universe

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



20.8826, 20.1091, 39.3400



32.9832, 30.7735, 69.6767



23.0871, 20.1973, 39.2409



7.1989, 7.4347, 9.4740



5.5387, 2.5375, 28.1734



0.1554, 0.1030, 0.6923

Previews

White Background



This preview shows how the XYZ color 31.7757, 34.9430, 21.2896 looks on a white background.

Color Contrast Check

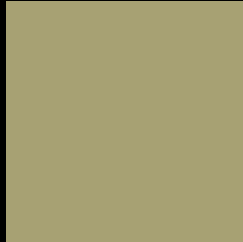
Large Text (above 18pt) WCAG AA × Fail

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 31.7757, 34.9430, 21.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

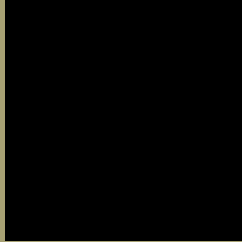
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7757, 34.9430, 21.2896

Background



This preview shows how black text looks on a background with the XYZ color 31.7757, 34.9430, 21.2896.



This preview shows how white text looks on a background with the XYZ color 31.7757, 34.9430,

21.2896.

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

31.7757, 34.9430, 21.2896

Protanopia

32.4487, 34.7818, 20.9229

Deuteranopia

35.5884, 34.8856, 21.6875



Tritanopia

35.6721, 34.7486, 40.9034

Trichromacy



Original Color

31.7757, 34.9430, 21.2896

Protanomaly

32.1856, 34.9026, 20.9601

Deuteranomaly

34.0969, 34.8616, 21.4549

Tritanomaly

34.1180, 34.8785, 32.5378

Monochromacy



Original Color

31.7757, 34.9430, 21.2896

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.9786, 34.3263, 30.5314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7757, 34.9430, 21.2896 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(167, 161, 115)` looks like.

```
.text, #text, p{  
    color:rgb(167, 161, 115)  
}
```

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(167, 161, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 161, 115) }
```

Border

The CSS property to change the border of an element to XYZ 31.7757, 34.9430, 21.2896 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(167, 161, 115) }
```


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

```
.border{ border-color:rgb(167, 161, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 161, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 161, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 161, 115);  
box-shadow:4px 4px 4px 4px rgb(167, 161,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7757, 34.9430, 21.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 161, 115) }
```

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

```
.background{ background-color: rgb(167,  
161, 115) }
```

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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