

Converting Colors

XYZ(30.4998, 33.3174, 21.7878)

Have a look what the booklet for
XYZ(30.4998, 33.3174, 21.7878)
contains.

XYZ(30.3721, 33.1848, 21.6342)	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(30.3721, 33.1848,
21.6342)**

Conversions

Conversions Part 1

Format	Color
Hex	A39D75
RGB	163, 157, 117
RGB Percent	64%, 62%, 46%
CMY	0.3608, 0.3843, 0.5412
CMYK	0.00, 0.04, 0.28, 0.36
HSL	52°, 20%, 55%
HSV	52°, 28%, 64%
XYZ	30.3721, 33.1848, 21.6342
YIQ	154.2340, 16.4160, -11.1680

Conversions

Conversions Part 2

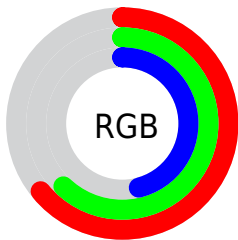
Format	Color
RYB	124, 163, 117
Decimal	10722677
CIELab	64.31, -4.33, 21.76
CIELCh	64, 22.188, 101.256
Yxy	33.1848, 0.3565, 0.3895
Android (android.graphics.Color)	4288912757 (0xFFA39D75)
YUV	154.2340, -18.3564, 7.6878
Hunter-Lab	57.6062, -6.6993, 18.0578

Details

The XYZ color **30.3721, 33.1848, 21.6342** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.0299, 20.5917, 37.5166**, and the grayscale version is **30.8917, 32.5005, 35.3930**.

A 20% lighter version of the original color is **59.3691, 64.3585, 46.8295**, and **12.7530, 14.1049, 7.5192** is the 20% darker color. If you saturate the color by 10%, you get **29.1399, 32.1229, 16.8999**, and if you desaturate by 10%, it is **31.7791, 34.3290, 27.2509**.

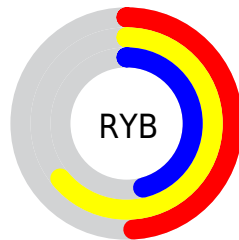
Distribution



Red (64%)

Green (62%)

Blue (46%)



Red (49%)

Yellow (64%)

Blue (46%)

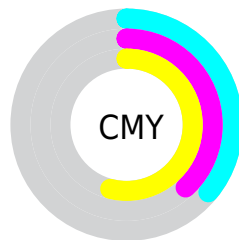


Cyan (0%)

Magenta (4%)

Yellow (28%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3721, 33.1848, 21.6342 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 30.3721, 33.1848, 21.6342 by changing the saturation by 10% instead.

■ 30.3721, 33.1848,
21.6342

■ 30.3721, 33.1848,
21.6342

295.5139,
316.4816, 273.5209

■ 20.2707, 22.2681,
13.3926

■ 59.6327, 64.6639,
47.0351

■ 12.7014, 14.0540,
7.5656

■ 79.5226, 85.9951,
65.0314

■ 7.2988, 8.1582,
3.7345

■ 103.4061,
111.5666, 87.1165

■ 3.6976, 4.1964,
1.4808

131.6484,
141.7627, 113.7088

■ 1.5325, 1.7840,
0.2036

164.6150,
176.9678, 145.2268

■ 0.3478, 0.4772,
0.0000

202.6712,

■ 0.0000, 0.0000,

217.5665, 182.0891

0.0000

246.1824,
263.9429, 224.7143

■ 30.3721, 33.1848,
21.6342

■ 30.3721, 33.1848,
21.6342

■ 29.1399, 32.1229,
16.8999

■ 31.7791, 34.3290,
27.2509

■ 28.0714, 31.1352,
13.0004

■ 33.3665, 35.5542,
33.7903

■ 27.1579, 30.2194,
9.8867

■ 35.1427, 36.8651,
41.2926

■ 26.3890, 29.3714,
7.5038

■ 37.1147, 38.2644,
49.7950

■ 25.7528, 28.5862,
5.7898

■ 39.2893, 39.7550,
59.3327

■ 25.2356, 27.8583,
4.6723

■ 41.6729, 41.3394,
69.9394

■ 24.8127, 27.1779,
4.0214

■ 44.2717, 43.0202,
81.6470

■ 24.7406, 27.0591,
3.9190

■ 47.0913, 44.7997,
94.4863

■ 48.7045, 46.1070,
100.9403

Harmonies

Analogous

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



33.5305, 33.1848, 22.0540



30.3721, 33.1848, 21.6342



27.7085, 33.1848, 24.5845

Triad

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



30.3721, 33.1848, 21.6342



27.1979, 33.1848, 48.8393



37.6400, 33.1848, 42.0065

Complementary

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



30.3721, 33.1848, 21.6342



21.0299, 20.5917, 37.5166

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.



35.7119, 33.1848, 50.8267



30.3721, 33.1848, 21.6342



29.6321, 33.1848, 55.2029

Square

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



30.3721, 33.1848, 21.6342



25.9590, 33.1848, 39.6301



32.7398, 33.1848, 55.9854



37.8712, 33.1848, 32.8472

Rectangle

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



30.3721, 33.1848, 21.6342



26.5168, 33.1848, 28.4068



32.7398, 33.1848, 55.9854



37.1632, 33.1848, 45.1458

Sweetspot

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



30.3730, 33.1863, 21.6349



59.7783, 63.6910, 60.6057



25.0494, 21.9429, 21.6983



13.3283, 14.2309, 13.2051



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



30.3730, 33.1863, 21.6349



52.9452, 58.1971, 33.1335



28.1861, 33.6021, 21.8304



7.5703, 8.0790, 7.5405



19.2514, 21.0767, 3.0535



0.4250, 0.4838, 0.0710

Inverse Universe

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



21.0299, 20.5917, 37.5166



33.3608, 31.8011, 66.4360



22.7828, 20.4248, 37.3920



6.7715, 7.0019, 8.8977



5.3698, 2.5191, 27.1330



0.1332, 0.0937, 0.5769

Previews

White Background



This preview shows how the XYZ color 30.3721, 33.1848, 21.6342 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 30.3721, 33.1848, 21.6342 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 30.3721, 33.1848, 21.6342

Background



This preview shows how black text looks on a background with the XYZ color 30.3721, 33.1848, 21.6342.



This preview shows how white text looks on a background with the XYZ color 30.3721, 33.1848,

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

30.3721, 33.1848, 21.6342

Protanopia

30.9772, 33.2534, 21.3089

Deuteranopia

33.7646, 33.2119, 22.0837



Tritanopia

34.0397, 33.2126, 39.2669

Trichromacy



Original Color

30.3721, 33.1848, 21.6342

Protanomaly

30.7667, 33.1449, 21.2990

Deuteranomaly

32.5657, 33.3206, 21.8547

Tritanomaly

32.5159, 33.0733, 31.8641

Monochromacy



Original Color

30.3721, 33.1848, 21.6342

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.4337, 32.5339, 29.8749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3721, 33.1848, 21.6342 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(163, 157, 117)` looks like.

```
.text, #text, p{  
    color:rgb(163, 157, 117)  
}
```

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(163, 157, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 157, 117) }
```

Border

The CSS property to change the border of an element to XYZ 30.3721, 33.1848, 21.6342 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(163, 157, 117) }
```


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

```
.border{ border-color:rgb(163, 157, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 157, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 157, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 157, 117);  
box-shadow:4px 4px 4px 4px rgb(163, 157,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3721, 33.1848, 21.6342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 157, 117) }
```

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

```
.background{ background-color: rgb(163,  
157, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor