

Converting Colors

XYZ(33.6283, 31.3933, 21.6046)

Have a look what the booklet for
XYZ(33.6283, 31.3933, 21.6046)
contains.

XYZ(33.4963, 31.2427, 21.7178)	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(33.4963, 31.2427,
21.7178)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8E77
RGB	187, 142, 119
RGB Percent	73%, 56%, 47%
CMY	0.2667, 0.4431, 0.5333
CMYK	0.00, 0.24, 0.36, 0.27
HSL	20°, 33%, 60%
HSV	20°, 36%, 73%
XYZ	33.4963, 31.2427, 21.7178
YIQ	152.8330, 34.2030, 2.3870

Conversions

Conversions Part 2

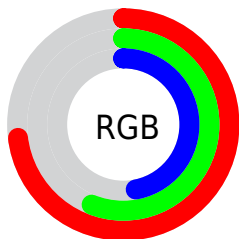
Format	Color
RYB	187, 154, 119
Decimal	12291703
CIELab	62.71, 13.90, 18.85
CIElCh	63, 23.424, 53.604
Yxy	31.2427, 0.3874, 0.3614
Android (android.graphics.Color)	4290481783 (0xFFBB8E77)
YUV	152.8330, -16.6797, 29.9645
Hunter-Lab	55.8952, 9.1532, 16.0898

Details

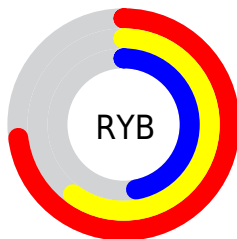
The XYZ color **33.4963, 31.2427, 21.7178** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **29.8524, 34.0596, 52.0145**, and the grayscale version is **30.2661, 31.8423, 34.6763**.

A 20% lighter version of the original color is **64.3988, 61.6532, 47.0342**, and **14.4484, 13.0020, 7.5425** is the 20% darker color. If you saturate the color by 10%, you get **30.7420, 27.3580, 15.7935**, and if you desaturate by 10%, it is **36.6776, 35.6276, 28.8752**.

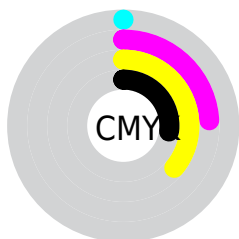
Distribution



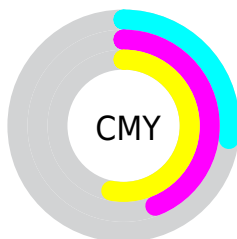
- Red (73%)
- Green (56%)
- Blue (47%)



- Red (73%)
- Yellow (60%)
- Blue (47%)



- Cyan (0%)
- Magenta (24%)
- Yellow (36%)
- Black (27%)





- Cyan (27%)
- Magenta (44%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4963, 31.2427, 21.7178 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 33.4963, 31.2427, 21.7178 by changing the saturation by 10% instead.


 33.4963, 31.2427,
21.7178


 33.4963, 31.2427,
21.7178


309.5058,
307.6549, 273.9743


 22.6680, 20.7837,
13.4534


 64.4991, 61.6220,
47.1753

 14.4679, 12.9660,
7.6071


 85.4043, 82.3111,
65.2055

 8.5307, 7.4051,
3.7604


 110.3992,
107.1790, 87.3280

 4.4910, 3.7167,
1.4949

139.8490,
136.6101, 113.9614

 1.9835, 1.5164,
0.2141

174.1193,
170.9889, 145.5241

 0.6247, 0.3002,
0.0000

213.5752,

 0.0000, 0.0000,

210.6997, 182.4348

0.0000

258.5823,
256.1269, 225.1120

■ 33.4963, 31.2427,
21.7178

■ 33.4963, 31.2427,
21.7178

■ 30.7420, 27.3580,
15.7935

■ 36.6776, 35.6276,
28.8752

■ 28.3927, 23.9505,
11.0298

■ 40.3018, 40.5256,
37.3291

■ 26.4276, 21.0019,
7.3491

■ 44.3868, 45.9549,
47.1404

■ 24.8233, 18.4910,
4.6635

■ 48.9490, 51.9312,
58.3659

■ 23.5530, 16.3943,
2.8713

■ 54.0036, 58.4697,
71.0590

■ 22.5835, 14.6851,
1.8395

■ 59.5654, 65.5848,
85.2702

■ 22.2855, 14.1488,
1.5564

■ 65.6483, 73.2906,
101.0479

■ 69.9977, 80.6932,
106.4938

■ 73.7858, 88.2693,
107.7565

Harmonies

Analogous

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



35.6953, 31.2427, 27.4409



33.4963, 31.2427, 21.7178



30.3857, 31.2427, 19.3437

Triad

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



33.4963, 31.2427, 21.7178



23.9927, 31.2427, 32.0933



32.2268, 31.2427, 52.8466

Complementary

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



33.4963, 31.2427, 21.7178



29.8524, 34.0596, 52.0145

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.



29.0154, 31.2427, 54.6976



33.4963, 31.2427, 21.7178



24.4083, 31.2427, 41.5700

Square

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



33.4963, 31.2427, 21.7178



25.0144, 31.2427, 24.6000



26.1932, 31.2427, 50.2581



34.9264, 31.2427, 45.5769

Rectangle

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



33.4963, 31.2427, 21.7178



28.2719, 31.2427, 19.6089



26.1932, 31.2427, 50.2581



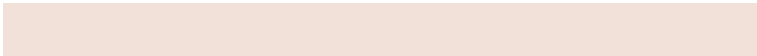
31.1656, 31.2427, 54.1714

Sweetspot

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



33.4971, 31.2442, 21.7184



75.8690, 77.5025, 75.6574



33.8216, 26.4512, 38.6032



16.4897, 16.7775, 16.1384



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.4971, 31.2442, 21.7184



55.8226, 50.0875, 29.8917



39.2835, 42.8170, 23.6472



9.7869, 10.0497, 10.0006



15.4155, 9.8698, 1.0926



0.6655, 0.5099, 0.0633

Inverse Universe

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



29.8524, 34.0596, 52.0145



48.2802, 55.8665, 92.4401



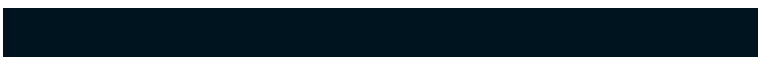
24.6048, 23.5643, 50.2653



9.5294, 10.2510, 12.1486



11.1927, 12.4972, 34.2152



0.4966, 0.6060, 1.3596

Previews

White Background



This preview shows how the XYZ color 33.4963, 31.2427, 21.7178 looks on a white background.

Color Contrast Check

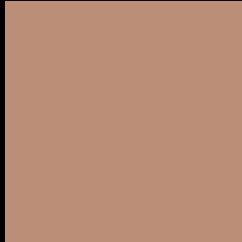
Large Text (above 18pt) WCAG AA × Fail

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 33.4963, 31.2427, 21.7178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

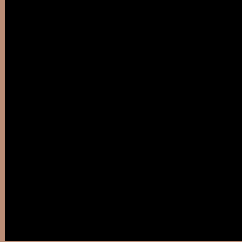
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4963, 31.2427, 21.7178

Background



This preview shows how black text looks on a background with the XYZ color 33.4963, 31.2427, 21.7178.



This preview shows how white text looks on a background with the XYZ color 33.4963, 31.2427,

21.7178.

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

33.4963, 31.2427, 21.7178

Protanopia

29.5643, 31.4888, 23.5885

Deuteranopia

31.9090, 31.3308, 21.5052



Tritanopia

35.6690, 31.2622, 32.1712

Trichromacy



Original Color

33.4963, 31.2427, 21.7178

Protanomaly

30.6803, 31.1310, 22.8042

Deuteranomaly

32.4515, 31.3826, 21.4866

Tritanomaly

34.7342, 31.0902, 27.8372

Monochromacy



Original Color

33.4963, 31.2427, 21.7178

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.0722, 31.4173, 29.6258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4963, 31.2427, 21.7178 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(187, 142, 119)` looks like.

```
.text, #text, p{  
    color:rgb(187, 142, 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(187, 142, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 142, 119) }
```

Border

The CSS property to change the border of an element to XYZ 33.4963, 31.2427, 21.7178 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(187, 142, 119) }
```


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

```
.border{ border-color:rgb(187, 142, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 142, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 142, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 142, 119);  
box-shadow:4px 4px 4px 4px rgb(187, 142,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4963, 31.2427, 21.7178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 142, 119) }
```

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

```
.background{ background-color: rgb(187,  
142, 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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