

Converting Colors

XYZ(29.6691, 29.1935, 21.3223)

Have a look what the booklet for
XYZ(29.6691, 29.1935, 21.3223)
contains.

XYZ(29.7376, 29.3119, 21.2300)	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(29.7376, 29.3119,
21.2300)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8E76
RGB	171, 142, 118
RGB Percent	67%, 56%, 46%
CMY	0.3294, 0.4431, 0.5372
CMYK	0.00, 0.17, 0.31, 0.33
HSL	27°, 24%, 57%
HSV	27°, 31%, 67%
XYZ	29.7376, 29.3119, 21.2300
YIQ	147.9350, 24.9880, -1.3160

Conversions

Conversions Part 2

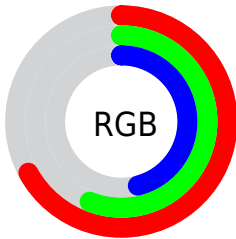
Format	Color
R_{YB}	171, 162, 118
Decimal	11243126
CIE _{Lab}	61.06, 7.30, 16.88
CIE _{LCh}	61, 18.392, 66.616
Yxy	29.3119, 0.3704, 0.3651
Android (android.graphics.Color)	4289433206 (0xFFAB8E76)
YUV	147.9350, -14.7580, 20.2280
Hunter-Lab	54.1405, 3.2984, 14.6490

Details

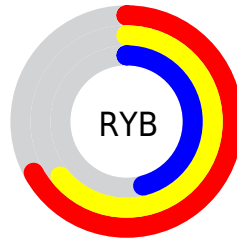
The XYZ color **29.7376, 29.3119, 21.2300** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **25.2554, 27.6585, 42.5357**, and the grayscale version is **28.1741, 29.6413, 32.2794**.

A 20% lighter version of the original color is **58.6742, 58.7130, 46.2705**, and **12.4039, 11.9480, 7.4468** is the 20% darker color. If you saturate the color by 10%, you get **27.4783, 26.2746, 15.9098**, and if you desaturate by 10%, it is **32.2995, 32.6593, 27.5606**.

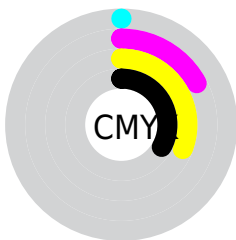
Distribution



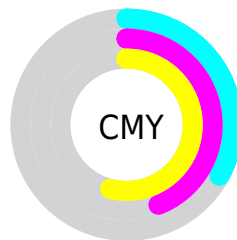
- Red (67%)
- Green (56%)
- Blue (46%)



- Red (67%)
- Yellow (64%)
- Blue (46%)



- Cyan (0%)
- Magenta (17%)
- Yellow (31%)
- Black (33%)





- Cyan (33%)
- Magenta (44%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7376, 29.3119, 21.2300 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 29.7376, 29.3119, 21.2300 by changing the saturation by 10% instead.


 29.7376, 29.3119,
21.2300


 29.7376, 29.3119,
21.2300


292.6113,
298.6838, 271.3194


 19.7866, 19.3169,
13.0993


 58.6364, 58.5723,
46.3558

 12.3474, 11.8995,
7.3655


 78.3150, 78.6064,
64.1879

 7.0546, 6.6753,
3.6098


 101.9667,
102.7557, 86.0910

 3.5429, 3.2599,
1.4138

129.9571,
131.4046, 112.4836

 1.4469, 1.2689,
0.1525

162.6513,
164.9375, 143.7842

 0.2893, 0.1169,
0.0000

200.4149,

 0.0000, 0.0000,

203.7387, 180.4113

0.0000

243.6131,
248.1927, 222.7835

■ 29.7376, 29.3119,
21.2300

■ 29.7376, 29.3119,
21.2300

■ 27.4783, 26.2746,
15.9098

■ 32.2995, 32.6593,
27.5606

■ 25.5065, 23.5337,
11.5449

■ 35.1738, 36.3219,
34.9493

■ 23.8091, 21.0802,
8.0773

■ 38.3724, 40.3099,
43.4428

■ 22.3709, 18.9031,
5.4423

■ 41.9060, 44.6316,
53.0845

■ 21.1749, 16.9903,
3.5659

■ 45.7847, 49.2951,
63.9155

■ 20.2013, 15.3286,
2.3611

■ 50.0182, 54.3082,
75.9748

■ 19.4798, 14.0282,
1.6810

■ 54.6158, 59.6783,
89.2997

■ 59.5865, 65.4127,
103.9257

■ 62.0965, 70.3816,
104.9199

Harmonies

Analogous

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



31.7424, 29.3119, 24.6447



29.7376, 29.3119, 21.2300



27.3302, 29.3119, 20.4768

Triad

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



29.7376, 29.3119, 21.2300



23.5110, 29.3119, 33.4674



30.7127, 29.3119, 43.7805

Complementary

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



29.7376, 29.3119, 21.2300



25.2554, 27.6585, 42.5357

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.



28.3968, 29.3119, 46.9757



29.7376, 29.3119, 21.2300



24.3080, 29.3119, 40.4923

Square

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



29.7376, 29.3119, 21.2300



23.8243, 29.3119, 26.9388



26.0633, 29.3119, 45.6931



32.3277, 29.3119, 37.4706

Rectangle

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



29.7376, 29.3119, 21.2300



25.8376, 29.3119, 21.4717



26.0633, 29.3119, 45.6931



29.9854, 29.3119, 45.2929

Sweetspot

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



29.7384, 29.3133, 21.2306



64.0011, 66.3165, 65.2320



28.5515, 23.7265, 30.7406



14.0982, 14.5698, 14.0898



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.



29.7384, 29.3133, 21.2306



50.5051, 48.8135, 31.4804



34.1321, 38.1008, 22.6952



8.2928, 8.5904, 8.4344



14.7361, 10.6778, 1.2843



0.4650, 0.4072, 0.0541

Inverse Universe

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



25.2554, 27.6585, 42.5357



41.2214, 45.3828, 75.5890



21.6172, 20.3821, 41.3230



7.9284, 8.4561, 10.1670



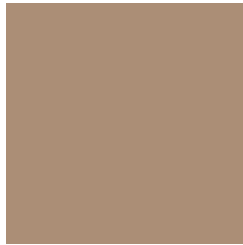
8.5822, 8.2983, 30.1939



0.2925, 0.3383, 0.8579

Previews

White Background



This preview shows how the XYZ color 29.7376, 29.3119, 21.2300 looks on a white background.

Color Contrast Check

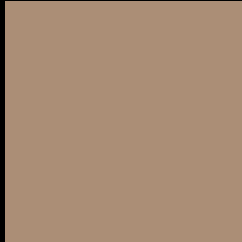
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7376, 29.3119, 21.2300 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 × Fail

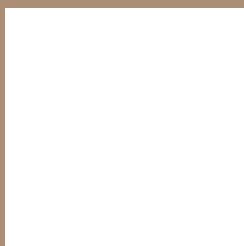
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7376, 29.3119, 21.2300

Background



This preview shows how black text looks on a background with the XYZ color 29.7376, 29.3119, 21.2300.



This preview shows how white text looks on a background with the XYZ color 29.7376, 29.3119,

21.2300.

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

29.7376, 29.3119, 21.2300

Protanopia

27.5342, 29.2914, 21.9719

Deuteranopia

29.9563, 29.4247, 21.2402



Tritanopia

31.8893, 29.3137, 31.9943

Trichromacy



Original Color

29.7376, 29.3119, 21.2300

Protanomaly

28.1531, 29.1598, 21.5973

Deuteranomaly

29.9563, 29.4247, 21.2402

Tritanomaly

30.9816, 29.1556, 27.6616

Monochromacy



Original Color

29.7376, 29.3119, 21.2300

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.5045, 29.4318, 27.8455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7376, 29.3119, 21.2300 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(171, 142, 118)` looks like.

```
.text, #text, p{  
    color:rgb(171, 142, 118)  
}
```

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(171, 142, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 142, 118) }
```

Border

The CSS property to change the border of an element to XYZ 29.7376, 29.3119, 21.2300 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(171, 142, 118) }
```


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

```
.border{ border-color:rgb(171, 142, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 142, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 142, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 142, 118);  
box-shadow:4px 4px 4px 4px rgb(171, 142,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7376, 29.3119, 21.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 142, 118) }
```

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

```
.background{ background-color: rgb(171,  
142, 118) }
```

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