

Converting Colors

XYZ(29.7734, 29.5382, 21.3987)

Have a look what the booklet for
XYZ(29.7734, 29.5382, 21.3987)
contains.

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Color

**XYZ(29.6700, 29.4990,
21.2696)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | AA8F76 |
| RGB | 170, 143, 118 |
| RGB Percent | 67%, 56%, 46% |
| CMY | 0.3333, 0.4392, 0.5373 |
| CMYK | 0.00, 0.16, 0.31, 0.33 |
| HSL | 29°, 23%, 56% |
| HSV | 29°, 31%, 67% |
| XYZ | 29.6700, 29.4990, 21.2696 |
| YIQ | 148.2230, 24.1170, -2.0510 |

Conversions

Conversions Part 2

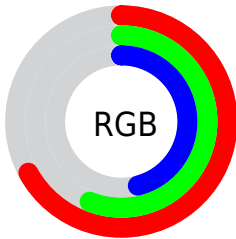
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 170, 166, 118 |
| Decimal | 11177846 |
| CIE _{Lab} | 61.22, 6.34, 17.09 |
| CIE _{LCh} | 61, 18.228, 69.657 |
| Yxy | 29.4990, 0.3689, 0.3667 |
| Android (android.graphics.Color) | 4289367926 (0xFFAA8F76) |
| YUV | 148.2230, -14.8999, 19.0984 |
| Hunter-Lab | 54.3130, 2.4629, 14.8004 |

Details

The XYZ color **29.6700, 29.4990, 21.2696** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **24.8519, 27.0036, 41.9325**, and the grayscale version is **28.2953, 29.7688, 32.4182**.

A 20% lighter version of the original color is **58.5860, 59.0035, 46.3312**, and **12.3560, 12.0528, 7.4695** is the 20% darker color. If you saturate the color by 10%, you get **27.4764, 26.5854, 15.9955**, and if you desaturate by 10%, it is **32.1515, 32.6967, 27.5386**.

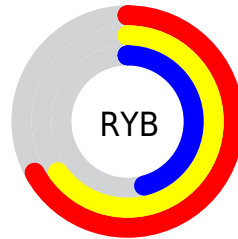
Distribution



 Red (67%)

 Green (56%)

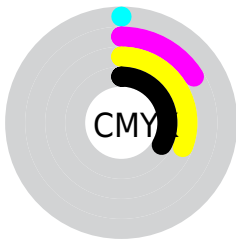
 Blue (46%)



 Red (67%)

 Yellow (65%)

 Blue (46%)

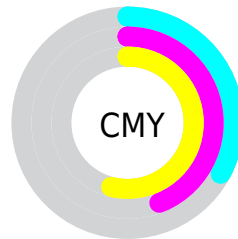


 Cyan (0%)


 Magenta (16%)

 Yellow (31%)

 Black (33%)



 Cyan (33%)


 Magenta (44%)

 Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6700, 29.4990, 21.2696 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 29.6700, 29.4990, 21.2696 by changing the saturation by 10% instead.


 29.6700, 29.4990,
21.2696


 29.6700, 29.4990,
21.2696


292.3007,
299.5621, 271.5358


 19.7351, 19.4586,
13.1281

 58.5301, 58.8690,
46.4224

 12.3098, 12.0021,
7.3850


 78.1860, 78.9674,
64.2707

 7.0287, 6.7451,
3.6220


 101.8130,
103.1872, 86.1917

 3.5265, 3.3032,
1.4203

129.7763,
131.9129, 112.6039

 1.4379, 1.2920,
0.1575

162.4414,
165.5289, 143.9259

 0.2830, 0.1350,
0.0000

200.1736,

 0.0000, 0.0000,

204.4194, 180.5762

0.0000

243.3383,
248.9691, 222.9733

■ 29.6700, 29.4990,
21.2696

■ 29.6700, 29.4990,
21.2696

■ 27.4764, 26.5854,
15.9955

■ 32.1515, 32.6967,
27.5386

■ 25.5562, 23.9430,
11.6622

■ 34.9299, 36.1827,
34.8492

■ 23.8971, 21.5641,
8.2131


■ 38.0168, 39.9660,
43.2472


■ 22.4845, 19.4387,
5.5847


■ 41.4221, 44.0543,
52.7751


■ 21.3022, 17.5562,
3.7049

■ 45.1556, 48.4548,
63.4733

 20.3315, 15.9044,
2.4885

 49.2264, 53.1744,
75.3800

 19.5756, 14.5421,
1.7752

 53.6434, 58.2198,
88.5318

 58.4149, 63.5975,
102.9635

 60.8645, 68.2399,
104.5715

Harmonies

Analogous

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



31.7360, 29.4990, 24.4142



29.6700, 29.4990, 21.2696



27.2723, 29.4990, 20.7901

Triad

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



29.6700, 29.4990, 21.2696



23.7375, 29.4990, 34.3837



31.0817, 29.4990, 43.3843

Complementary

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



29.6700, 29.4990, 21.2696



24.8519, 27.0036, 41.9325

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.



28.8178, 29.4990, 46.9595



29.6700, 29.4990, 21.2696



24.6389, 29.4990, 41.2959

Square

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



29.6700, 29.4990, 21.2696



23.9367, 29.4990, 27.7479



26.4668, 29.4990, 46.1451



32.5827, 29.4990, 36.9275

Rectangle

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



29.6700, 29.4990, 21.2696



25.8198, 29.4990, 21.9649



26.4668, 29.4990, 46.1451



30.3796, 29.4990, 45.0020

Sweetspot

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



29.6708, 29.5004, 21.2702



64.1399, 66.5942, 65.2783



28.2237, 23.5702, 30.1476



14.1336, 14.6406, 14.1016



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.



29.6708, 29.5004, 21.2702



50.9620, 49.7272, 31.6327



33.8995, 37.9579, 22.6798



7.8176, 8.1152, 7.9436



14.4554, 10.8080, 1.3243



0.4032, 0.3659, 0.0494

Inverse Universe

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



24.8519, 27.0036, 41.9325



40.7463, 44.4327, 75.4307



21.4116, 20.1230, 40.7858



7.4419, 7.9206, 9.5549



7.9761, 7.4123, 28.9858



0.2449, 0.2820, 0.7222

Previews

White Background



This preview shows how the XYZ color 29.6700, 29.4990, 21.2696 looks on a white background.

Color Contrast Check

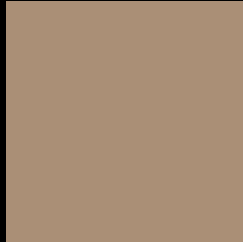
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6700, 29.4990, 21.2696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

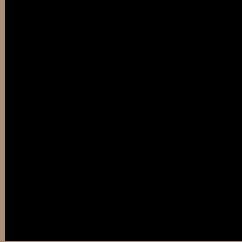
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6700, 29.4990, 21.2696

Background



This preview shows how black text looks on a background with the XYZ color 29.6700, 29.4990, 21.2696.



This preview shows how white text looks on a background with the XYZ color 29.6700, 29.4990,

21.2696.

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

29.6700, 29.4990, 21.2696

Protanopia

27.8847, 29.7040, 22.0331

Deuteranopia

29.9563, 29.4247, 21.2402



Tritanopia

32.1130, 29.6338, 32.4611

Trichromacy



Original Color

29.6700, 29.4990, 21.2696

Protanomaly

28.5089, 29.5711, 21.6580

Deuteranomaly

29.7376, 29.3119, 21.2300

Tritanomaly

31.1991, 29.4754, 28.0897

Monochromacy



Original Color

29.6700, 29.4990, 21.2696

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 29.6700, 29.4990, 21.2696 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, 143, 118)` looks like.

```
.text, #text, p{  
    color:rgb(170, 143, 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(170, 143, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 143, 118) }
```

Border

The CSS property to change the border of an element to XYZ 29.6700, 29.4990, 21.2696 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, 143, 118) }
```


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

```
.border{ border-color:rgb(170, 143, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 143, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 143, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 143, 118);  
box-shadow:4px 4px 4px 4px rgb(170, 143,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6700, 29.4990, 21.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 143, 118) }
```

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

```
.background{ background-color: rgb(170,  
143, 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](#).

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