

Converting Colors

XYZ(28.7712, 29.7153, 20.9268)

Have a look what the booklet for
XYZ(28.7712, 29.7153, 20.9268)
contains.

XYZ(28.7996, 29.7346, 21.0511)	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(28.7996, 29.7346,
21.0511)**

Conversions

Conversions Part 1

Format	Color
Hex	A49275
RGB	164, 146, 117
RGB Percent	64%, 57%, 46%
CMY	0.3569, 0.4274, 0.5412
CMYK	0.00, 0.11, 0.29, 0.36
HSL	37°, 21%, 55%
HSV	37°, 29%, 64%
XYZ	28.7996, 29.7346, 21.0511
YIQ	148.0760, 20.0370, -5.2030

Conversions

Conversions Part 2

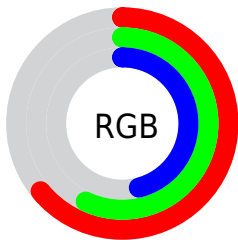
Format	Color
R_{YB}	146, 164, 117
Decimal	10785397
CIE _{Lab}	61.42, 2.10, 17.84
CIE _{LCh}	61, 17.967, 83.277
Yxy	29.7346, 0.3619, 0.3736
Android (android.graphics.Color)	4288975477 (0xFFA49275)
YUV	148.0760, -15.3205, 13.9653
Hunter-Lab	54.5294, -1.1522, 15.2817

Details

The XYZ color **28.7996, 29.7346, 21.0511** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.7008, 23.7896, 38.5175**, and the grayscale version is **28.2367, 29.7072, 32.3511**.

A 20% lighter version of the original color is **57.0291, 59.2332, 45.9635**, and **11.9391, 12.2402, 7.3636** is the 20% darker color. If you saturate the color by 10%, you get **26.9772, 27.5001, 16.0959**, and if you desaturate by 10%, it is **30.8457, 32.1458, 26.9150**.

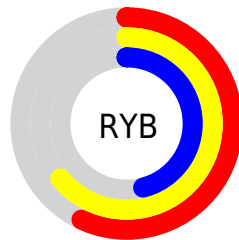
Distribution



Red (64%)

Green (57%)

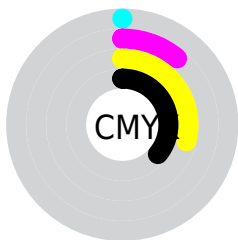
Blue (46%)



Red (57%)

Yellow (64%)

Blue (46%)

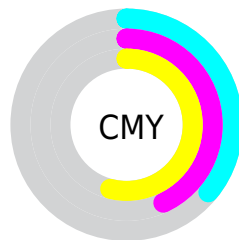


Cyan (0%)

Magenta (11%)

Yellow (29%)

Black (36%)



Cyan (36%)

Magenta (43%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7996, 29.7346, 21.0511 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 28.7996, 29.7346, 21.0511 by changing the saturation by 10% instead.

■ 28.7996, 29.7346,
21.0511

■ 28.7996, 29.7346,
21.0511

288.2795,
300.6654, 270.3399

■ 19.0728, 19.6372,
12.9698

■ 57.1583, 59.2422,
46.0545

■ 11.8272, 12.1316,
7.2772

■ 76.5209, 79.4212,
63.8135

■ 6.6975, 6.8334,
3.5550

■ 99.8262, 103.7296,
85.6356

■ 3.3183, 3.3581,
1.3845

127.4394,
132.5517, 111.9393

■ 1.3242, 1.3214,
0.1296

159.7260,
166.2720, 143.1430

■ 0.2012, 0.1577,
0.0000

197.0513,

■ 0.0000, 0.0000,

205.2747, 179.6653

0.0000

239.7807,
249.9444, 221.9247

■ 28.7996, 29.7346,
21.0511

■ 28.7996, 29.7346,
21.0511

■ 26.9772, 27.5001,
16.0959

■ 30.8457, 32.1458,
26.9150

■ 25.3666, 25.4329,
12.0010

■ 33.1221, 34.7345,
33.7291

■ 23.9579, 23.5289,
8.7159

■ 35.6382, 37.5068,
41.5346

■ 22.7398, 21.7820,
6.1844

■ 38.4018, 40.4671,
50.3695

■ 21.6992, 20.1856,
4.3428

■ 41.4206, 43.6196,
60.2701

■ 20.8211, 18.7323,
3.1167

■ 44.7018, 46.9685,
71.2706

■ 20.0779, 17.4092,
2.3653

■ 48.2524, 50.5178,
83.4039

■ 19.9834, 17.2395,
2.2743

■ 52.0789, 54.2712,
96.7015

■ 54.6029, 57.5985,
102.8475

Harmonies

Analogous

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



31.0801, 29.7346, 22.9874



28.7996, 29.7346, 21.0511



26.4961, 29.7346, 21.7907

Triad

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



28.7996, 29.7346, 21.0511



24.2727, 29.7346, 37.8216



32.0807, 29.7346, 40.8387

Complementary

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



28.7996, 29.7346, 21.0511



22.7008, 23.7896, 38.5175

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.



30.1043, 29.7346, 45.9306



28.7996, 29.7346, 21.0511



25.6194, 29.7346, 44.0253

Square

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



28.7996, 29.7346, 21.0511



23.9667, 29.7346, 30.8695



27.7308, 29.7346, 47.1716



33.0418, 29.7346, 33.9306

Rectangle

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



28.7996, 29.7346, 21.0511



25.2467, 29.7346, 23.7605



27.7308, 29.7346, 47.1716



31.5079, 29.7346, 42.8566

Sweetspot

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



28.8004, 29.7360, 21.0517



59.9003, 62.8005, 60.5482



26.0458, 22.3652, 25.8723



12.9650, 13.5830, 12.8411



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.



28.8004, 29.7360, 21.0517



50.2505, 51.5106, 32.6387



30.6889, 35.1570, 21.9986



7.4205, 7.7794, 7.4906



15.3693, 13.3125, 1.7595



0.3665, 0.3668, 0.0515

Inverse Universe

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



22.7008, 23.7896, 38.5175



37.4471, 39.0328, 69.3127



21.1571, 19.5763, 37.7856



6.9124, 7.2839, 8.9447



6.5354, 4.8502, 27.5215



0.1821, 0.1916, 0.5932

Previews

White Background



This preview shows how the XYZ color 28.7996, 29.7346, 21.0511 looks on a white background.

Color Contrast Check

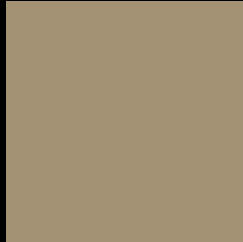
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7996, 29.7346, 21.0511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

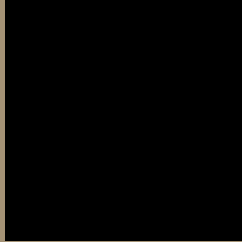
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7996, 29.7346, 21.0511

Background



This preview shows how black text looks on a background with the XYZ color 28.7996, 29.7346, 21.0511.



This preview shows how white text looks on a background with the XYZ color 28.7996, 29.7346,

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

28.7996, 29.7346, 21.0511

Protanopia

27.9605, 29.7569, 21.4095

Deuteranopia

30.1766, 29.5382, 21.2505



Tritanopia

31.3408, 29.6416, 33.7753

Trichromacy



Original Color

28.7996, 29.7346, 21.0511

Protanomaly

28.2009, 29.6490, 21.3760

Deuteranomaly

29.6700, 29.4990, 21.2696

Tritanomaly

30.4190, 29.7245, 28.5602

Monochromacy



Original Color

28.7996, 29.7346, 21.0511

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.2755, 29.5436, 27.8791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7996, 29.7346, 21.0511 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(164, 146, 117)` looks like.

```
.text, #text, p{  
    color:rgb(164, 146, 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(164, 146, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 146, 117) }
```

Border

The CSS property to change the border of an element to XYZ 28.7996, 29.7346, 21.0511 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(164, 146, 117) }
```


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

```
.border{ border-color:rgb(164, 146, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 146, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 146, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 146, 117);  
box-shadow:4px 4px 4px 4px rgb(164, 146,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7996, 29.7346, 21.0511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 146, 117) }
```

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

```
.background{ background-color: rgb(164,  
146, 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