

Converting Colors

XYZ(28.9946, 32.9743, 21.9760)

Have a look what the booklet for
XYZ(28.9946, 32.9743, 21.9760)
contains.

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Color

**XYZ(28.9946, 32.9743,
21.9760)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9F76
RGB	154, 159, 118
RGB Percent	60%, 62%, 46%
CMY	0.3961, 0.3765, 0.5372
CMYK	0.03, 0.00, 0.26, 0.38
HSL	67°, 18%, 54%
HSV	67°, 26%, 62%
XYZ	28.9946, 32.9743, 21.9760
YIQ	152.8310, 10.1810, -13.8110

Conversions

Conversions Part 2

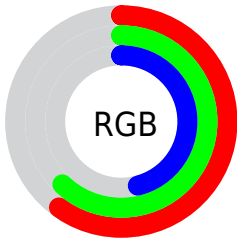
Format	Color
RYB	118, 159, 123
Decimal	10133366
CIELab	64.14, -8.85, 20.86
CIELCh	64, 22.654, 112.982
Yxy	32.9743, 0.3454, 0.3928
Android (android.graphics.Color)	4288323446 (0xFF9A9F76)
YUV	152.8310, -17.1717, 1.0252
Hunter-Lab	57.4233, -10.3611, 17.5059

Details

The XYZ color **28.9946, 32.9743, 21.9760** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.9060, 19.6718, 35.4979**, and the grayscale version is **30.2747, 31.8513, 34.6861**.

A 20% lighter version of the original color is **57.5968, 64.5507, 47.4541**, and **11.9162, 13.9796, 7.7005** is the 20% darker color. If you saturate the color by 10%, you get **27.7623, 32.4402, 17.3950**, and if you desaturate by 10%, it is **30.3939, 33.5782, 27.3977**.

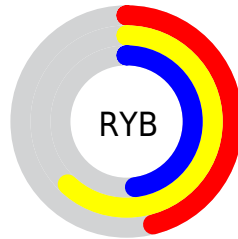
Distribution



Red (60%)

Green (62%)

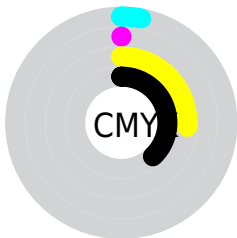
Blue (46%)



Red (46%)

Yellow (62%)

Blue (48%)

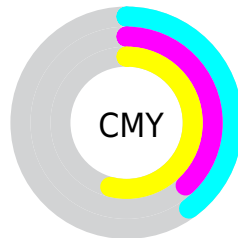


Cyan (3%)

Magenta (0%)

Yellow (26%)

Black (38%)



Cyan (40%)

Magenta (38%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9946, 32.9743, 21.9760 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 28.9946, 32.9743, 21.9760 by changing the saturation by 10% instead.

■ 28.9946, 32.9743,
21.9760

■ 28.9946, 32.9743,
21.9760

289.1841,
315.5339, 275.3703

■ 19.2210, 22.1068,
13.6411

■ 57.4661, 64.3354,
47.6080

■ 11.9350, 13.9354,
7.7356

■ 76.8948, 85.5978,
65.7422

■ 6.7713, 8.0757,
3.8409

■ 100.2724,
111.0938, 87.9799

■ 3.3646, 4.1434,
1.5385

127.9645,
141.2080, 114.7397

■ 1.3494, 1.7541,
0.2463

160.3364,
176.3247, 146.4401

■ 0.2197, 0.4583,
0.0000

197.7534,

■ 0.0000, 0.0000,

216.8284, 183.4997

0.0000

240.5808,
263.1033, 226.3369

■ 28.9946, 32.9743,
21.9760

■ 28.9946, 32.9743,
21.9760

■ 27.7623, 32.4402,
17.3950

■ 30.3939, 33.5782,
27.3977

■ 26.6864, 31.9682,
13.6105

■ 31.9651, 34.2503,
33.6969

■ 25.7591, 31.5563,
10.5775


■ 33.7160, 34.9951,
40.9112


■ 24.9708, 31.2007,
8.2457


■ 35.6533, 35.8151,
49.0750


■ 24.3107, 30.8971,
6.5587


■ 37.7831, 36.7128,
58.2211


 23.7665, 30.6405,
5.4513


 40.1114, 37.6907,
68.3807

 23.3214, 30.4242,
4.8356

 42.6439, 38.7509,
79.5837

 23.1469, 30.3385,
4.6359

 45.3861, 39.8957,
91.8586

 47.3445, 40.7277,
99.9736

Harmonies

Analogous

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



32.1005, 32.9743, 21.0735



28.9946, 32.9743, 21.9760



26.6709, 32.9743, 26.2862

Triad

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



28.9946, 32.9743, 21.9760



27.7733, 32.9743, 51.9302



37.8681, 32.9743, 38.1045

Complementary

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



28.9946, 32.9743, 21.9760



20.9060, 19.6718, 35.4979

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.



36.5268, 32.9743, 47.6196



28.9946, 32.9743, 21.9760



30.5938, 32.9743, 56.4377

Square

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



28.9946, 32.9743, 21.9760



26.0001, 32.9743, 43.2494



33.8109, 32.9743, 54.7388



37.3675, 32.9743, 29.4402

Rectangle

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



28.9946, 32.9743, 21.9760



25.8069, 32.9743, 30.9791



33.8109, 32.9743, 54.7388



37.6148, 32.9743, 41.3237

Sweetspot

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



28.9955, 32.9758, 21.9767



56.5494, 61.0397, 57.5315



24.6253, 22.7920, 20.2414



12.6555, 13.7214, 12.5935



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



28.9955, 32.9758, 21.9767



50.6089, 58.4826, 34.4171



25.4557, 31.1510, 21.8110



7.0905, 7.6793, 7.0942



18.3047, 23.9731, 3.6625



0.3475, 0.4391, 0.0664

Inverse Universe

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



20.9060, 19.6718, 35.4979



33.5971, 30.4996, 62.8597



24.1143, 21.3258, 35.6480



6.3562, 6.4721, 8.3209



5.1816, 2.1002, 26.0395



0.1117, 0.0474, 0.4665

Previews

White Background



This preview shows how the XYZ color 28.9946, 32.9743, 21.9760 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 28.9946, 32.9743, 21.9760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

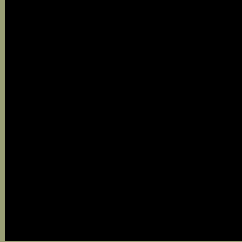
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.9946, 32.9743, 21.9760

Background



This preview shows how black text looks on a background with the XYZ color 28.9946, 32.9743, 21.9760.



This preview shows how white text looks on a background with the XYZ color 28.9946, 32.9743,

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

28.9946, 32.9743, 21.9760

Protanopia

30.5996, 32.8106, 21.2433

Deuteranopia

33.4290, 32.7960, 22.3377



Tritanopia

32.6800, 32.9727, 40.2393

Trichromacy



Original Color

28.9946, 32.9743, 21.9760

Protanomaly

29.9996, 32.7427, 21.5684

Deuteranomaly

31.7343, 32.8850, 22.1276

Tritanomaly

31.1672, 32.8499, 32.7150

Monochromacy



Original Color

28.9946, 32.9743, 21.9760

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.5918, 32.1084, 29.4488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9946, 32.9743, 21.9760 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(154, 159, 118)` looks like.

```
.text, #text, p{  
    color:rgb(154, 159, 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(154, 159, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 159, 118) }
```

Border

The CSS property to change the border of an element to XYZ 28.9946, 32.9743, 21.9760 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(154, 159, 118) }
```


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

```
.border{ border-color:rgb(154, 159, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 159, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 159, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 159, 118);  
box-shadow:4px 4px 4px 4px rgb(154, 159,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9946, 32.9743, 21.9760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 159, 118) }
```

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

```
.background{ background-color: rgb(154,  
159, 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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