

Converting Colors

XYZ(29.4820, 33.0142, 21.1630)

Have a look what the booklet for
XYZ(29.4820, 33.0142, 21.1630)
contains.

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Color

**XYZ(29.4219, 32.9606,
21.0310)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9E73
RGB	158, 158, 115
RGB Percent	62%, 62%, 45%
CMY	0.3804, 0.3804, 0.5490
CMYK	0.00, 0.00, 0.27, 0.38
HSL	60°, 18%, 54%
HSV	60°, 27%, 62%
XYZ	29.4219, 32.9606, 21.0310
YIQ	153.0980, 13.8030, -13.3730

Conversions

Conversions Part 2

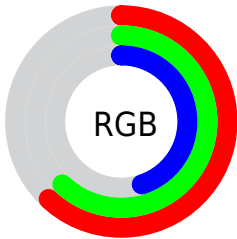
Format	Color
RYB	115, 158, 115
Decimal	10395251
CIELab	64.13, -7.15, 22.54
CIELCh	64, 23.650, 107.602
Yxy	32.9606, 0.3527, 0.3951
Android (android.graphics.Color)	4288585331 (0xFF9E9E73)
YUV	153.0980, -18.7823, 4.2991
Hunter-Lab	57.4113, -8.9929, 18.4687

Details

The XYZ color **29.4219, 32.9606, 21.0310** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.3738, 18.3758, 34.8754**, and the grayscale version is **30.3966, 31.9796, 34.8258**.

A 20% lighter version of the original color is **58.2099, 64.5247, 45.9457**, and **12.1849, 13.9729, 7.2091** is the 20% darker color. If you saturate the color by 10%, you get **28.5896, 32.6288, 16.6460**, and if you desaturate by 10%, it is **30.4117, 33.3577, 26.2382**.

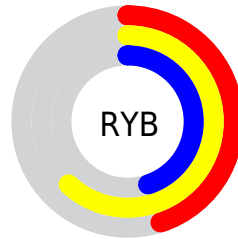
Distribution



Red (62%)

Green (62%)

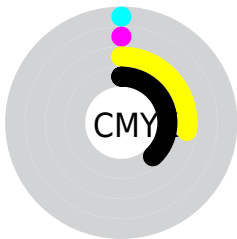
Blue (45%)



Red (45%)

Yellow (62%)

Blue (45%)

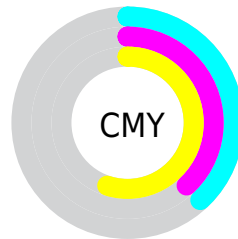


Cyan (0%)

Magenta (0%)

Yellow (27%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4219, 32.9606, 21.0310 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 29.4219, 32.9606, 21.0310 by changing the saturation by 10% instead.

■ 29.4219, 32.9606,
21.0310

■ 29.4219, 32.9606,
21.0310

291.1588,
315.4722, 270.2297

■ 19.5461, 22.0963,
12.9552

■ 58.1397, 64.3140,
46.0206

■ 12.1719, 13.9277,
7.2673

■ 77.7123, 85.5719,
63.7714

■ 6.9339, 8.0704,
3.5489

■ 101.2480,
111.0630, 85.5844

■ 3.4667, 4.1400,
1.3813

129.1120,
141.1719, 111.8780

■ 1.4051, 1.7522,
0.1270

161.6698,
176.2828, 143.0708

■ 0.2599, 0.4571,
0.0000

199.2866,

■ 0.0000, 0.0000,

216.7803, 179.5813

0.0000

242.3278,
263.0486, 221.8281

■ 29.4219, 32.9606,
21.0310

■ 29.4219, 32.9606,
21.0310

■ 28.5896, 32.6288,
16.6460

■ 30.4117, 33.3577,
26.2382

■ 27.9044, 32.3547,
13.0393

■ 31.5640, 33.8187,
32.3045

■ 27.3585, 32.1363,
10.1661

■ 32.8865, 34.3477,
39.2669

■ 26.9423, 31.9698,
7.9760

■ 34.3856, 34.9473,
47.1597

■ 26.6451, 31.8509,
6.4125

■ 36.0676, 35.6202,
56.0155

■ 26.4545, 31.7746,
5.4100

■ 37.9383, 36.3685,
65.8651

■ 26.3502, 31.7328,
4.8626

■ 40.0034, 37.1946,
76.7381

■ 26.3261, 31.7232,
4.7357

■ 42.2682, 38.1005,
88.6629

■ 44.3807, 38.9456,
99.7859

Harmonies

Analogous

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



32.7302, 32.9606, 20.7291



29.4219, 32.9606, 21.0310



26.8117, 32.9606, 24.8401

Triad

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



29.4219, 32.9606, 21.0310



27.1859, 32.9606, 51.2928



38.0434, 32.9606, 39.9929

Complementary

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



29.4219, 32.9606, 21.0310



19.3738, 18.3758, 34.8754

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.



36.3251, 32.9606, 49.8059



29.4219, 32.9606, 21.0310



29.9666, 32.9606, 57.0675

Square

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



29.4219, 32.9606, 21.0310



25.5854, 32.9606, 41.7557



33.3148, 32.9606, 56.4794



37.8715, 32.9606, 30.5983

Rectangle

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



29.4219, 32.9606, 21.0310



25.7467, 32.9606, 29.3137



33.3148, 32.9606, 56.4794



37.6629, 32.9606, 43.3795

Sweetspot

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



29.4227, 32.9621, 21.0317



57.1072, 61.3272, 57.5576



23.3269, 20.7692, 18.9995



12.8034, 13.7976, 12.6004



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.



29.4227, 32.9621, 21.0317



52.4244, 59.4539, 32.9052



25.5574, 30.9694, 20.8508



7.1701, 7.7204, 7.0979



21.0833, 25.4056, 3.7926



0.3770, 0.4543, 0.0678

Inverse Universe

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



19.3738, 18.3758, 34.8754



30.8985, 28.2087, 62.5597



22.5380, 20.0070, 35.0235



6.2848, 6.4353, 8.3176



4.9429, 1.9772, 26.0283



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 29.4219, 32.9606, 21.0310 looks on a white background.

Color Contrast Check

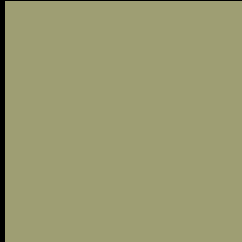
Large Text (above 18pt) WCAG AA × Fail

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 29.4219, 32.9606, 21.0310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

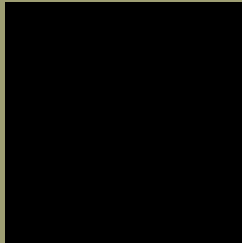
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

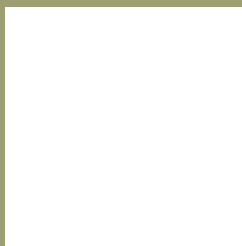
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4219, 32.9606, 21.0310

Background



This preview shows how black text looks on a background with the XYZ color 29.4219, 32.9606, 21.0310.



This preview shows how white text looks on a background with the XYZ color 29.4219, 32.9606,

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

29.4219, 32.9606, 21.0310

Protanopia

30.6950, 32.8731, 20.6469

Deuteranopia

33.4868, 32.8465, 21.4047



Tritanopia

33.2389, 33.0293, 39.7454

Trichromacy



Original Color

29.4219, 32.9606, 21.0310

Protanomaly

30.2356, 32.8844, 20.6733

Deuteranomaly

31.8362, 32.7161, 21.1599

Tritanomaly

31.6442, 32.8679, 31.8704

Monochromacy



Original Color

29.4219, 32.9606, 21.0310

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.8991, 32.2753, 29.0800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4219, 32.9606, 21.0310 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(158, 158, 115)` looks like.

```
.text, #text, p{  
    color:rgb(158, 158, 115)  
}
```

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(158, 158, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 158, 115) }
```

Border

The CSS property to change the border of an element to XYZ 29.4219, 32.9606, 21.0310 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(158, 158, 115) }
```


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

```
.border{ border-color:rgb(158, 158, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 158, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 158, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 158, 115);  
box-shadow:4px 4px 4px 4px rgb(158, 158,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4219, 32.9606, 21.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 158, 115) }
```

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

```
.background{ background-color: rgb(158,  
158, 115) }
```

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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