

Converting Colors

XYZ(28.8197, 32.4936, 29.2281)

Have a look what the booklet for
XYZ(28.8197, 32.4936, 29.2281)
contains.

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Color

**XYZ(28.7411, 32.4288,
29.1707)**

Conversions

Conversions Part 1

Format	Color
Hex	929E8B
RGB	146, 158, 139
RGB Percent	57%, 62%, 55%
CMY	0.4274, 0.3804, 0.4549
CMYK	0.08, 0.00, 0.12, 0.38
HSL	98°, 9%, 58%
HSV	98°, 12%, 62%
XYZ	28.7411, 32.4288, 29.1707
YIQ	152.2460, -1.0530, -8.4530

Conversions

Conversions Part 2

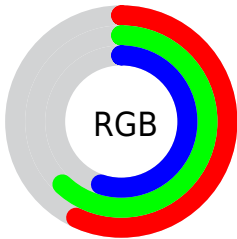
Format	Color
RYB	139, 158, 151
Decimal	9608843
CIELab	63.70, -7.91, 8.47
CIELCh	64, 11.595, 133.038
Yxy	32.4288, 0.3181, 0.3590
Android (android.graphics.Color)	4287798923 (0xFF929E8B)
YUV	152.2460, -6.5303, -5.4777
Hunter-Lab	56.9463, -9.5661, 9.4911

Details

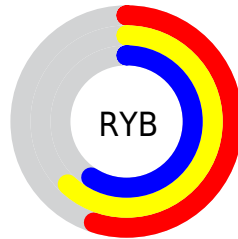
The XYZ color **28.7411, 32.4288, 29.1707** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.1681, 27.5141, 36.1756**, and the grayscale version is **29.9797, 31.5409, 34.3481**.

A 20% lighter version of the original color is **57.1281, 63.6736, 59.1484**, and **11.7802, 13.6696, 11.4688** is the 20% darker color. If you saturate the color by 10%, you get **25.9719, 31.1260, 23.4440**, and if you desaturate by 10%, it is **31.8339, 33.8810, 35.7850**.

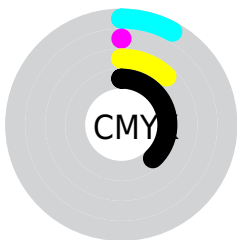
Distribution



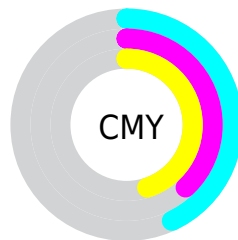
- Red (57%)
- Green (62%)
- Blue (55%)



- Red (55%)
- Yellow (62%)
- Blue (59%)



- Cyan (8%)
- Magenta (0%)
- Yellow (12%)
- Black (38%)



- Cyan (43%)
- Magenta (38%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7411, 32.4288, 29.1707 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 28.7411, 32.4288, 29.1707 by changing the saturation by 10% instead.

■ 28.7411, 32.4288,
29.1707

■ 28.7411, 32.4288,
29.1707

288.0077,
313.0680, 312.1056

■ 19.0283, 21.6892,
18.9633

■ 57.0659, 63.4827,
59.3936

■ 11.7949, 13.6287,
11.4672

■ 76.4087, 84.5658,
80.2462

■ 6.6754, 7.8629,
6.2639

■ 99.6921, 109.8656,
105.4842

■ 3.3044, 4.0073,
2.9348

127.2817,
139.7664, 135.5263

■ 1.3167, 1.6777,
1.0615

159.5427,
174.6527, 170.7910

■ 0.1957, 0.4091,
0.0000

196.8404,

■ 0.0000, 0.0000,

214.9088, 211.6967

0.0000

239.5403,
260.9190, 258.6621

■ 28.7411, 32.4288,
29.1707

■ 28.7411, 32.4288,
29.1707

■ 25.9719, 31.1260,
23.4440

■ 31.8339, 33.8810,
35.7850

■ 23.5125, 29.9636,
18.5650

■ 35.2582, 35.4830,
43.3201

■ 21.3521, 28.9378,
14.4940

■ 39.0248, 37.2407,
51.8104

■ 19.4782, 28.0430,
11.1873

■ 43.1432, 39.1584,
61.2876

■ 17.8773, 27.2734,
8.5969

■ 47.6227, 41.2400,
71.7820

■ 16.5344, 26.6224,
6.6697

■ 52.4720, 43.4895,
83.3228

■ 15.4333, 26.0829,
5.3449

■ 57.6997, 45.9107,
95.9378

■ 14.5549, 25.6467,
4.5505

■ 61.5930, 47.8188,
100.5914

■ 13.9840, 25.3605,
4.1580

■ 64.8118, 49.4781,
100.7420

Harmonies

Analogous

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



30.1238, 32.4288, 27.2973



28.7411, 32.4288, 29.1707



27.9325, 32.4288, 32.7654

Triad

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



28.7411, 32.4288, 29.1707



29.9210, 32.4288, 44.5683



33.9644, 32.4288, 33.3309

Complementary

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



28.7411, 32.4288, 29.1707



28.1681, 27.5141, 36.1756

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.



33.9055, 32.4288, 37.9819



28.7411, 32.4288, 29.1707



31.5321, 32.4288, 44.7535

Square

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



28.7411, 32.4288, 29.1707



28.5971, 32.4288, 41.7683



33.0023, 32.4288, 42.2541



33.1606, 32.4288, 29.5533

Rectangle

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



28.7411, 32.4288, 29.1707



27.8096, 32.4288, 35.7854



33.0023, 32.4288, 42.2541



34.0457, 32.4288, 34.8377

Sweetspot

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



28.7420, 32.4302, 29.1714



56.6068, 60.9619, 62.3837



29.7831, 31.1767, 28.8746



12.6681, 13.6998, 13.8620



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.



28.7420, 32.4302, 29.1714



51.0121, 58.3350, 50.4977



27.6992, 31.8737, 29.9769



6.7700, 7.5141, 7.0792



11.2396, 20.3310, 3.3319



0.2456, 0.3865, 0.0617

Inverse Universe

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



28.1681, 27.5141, 36.1756



49.7937, 47.9002, 65.3647



29.3168, 28.1282, 35.2421



6.6671, 6.6324, 8.3355



9.1789, 4.1609, 26.2266



0.2094, 0.0977, 0.4711

Previews

White Background



This preview shows how the XYZ color 28.7411, 32.4288, 29.1707 looks on a white background.

Color Contrast Check

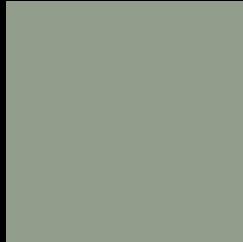
Large Text (above 18pt) WCAG AA × Fail

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 28.7411, 32.4288, 29.1707 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

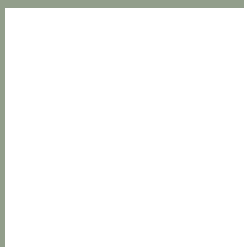
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7411, 32.4288, 29.1707

Background



This preview shows how black text looks on a background with the XYZ color 28.7411, 32.4288, 29.1707.



This preview shows how white text looks on a background with the XYZ color 28.7411, 32.4288,

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

28.7411, 32.4288, 29.1707

Protanopia

30.7689, 32.4944, 28.3173

Deuteranopia

33.0107, 32.4167, 29.7165



Tritanopia

31.0162, 32.3484, 40.6855

Trichromacy



Original Color

28.7411, 32.4288, 29.1707

Protanomaly

30.0191, 32.3456, 28.7059

Deuteranomaly

31.2717, 32.2424, 29.3862

Tritanomaly

30.1165, 32.2326, 36.0867

Monochromacy



Original Color

28.7411, 32.4288, 29.1707

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.3997, 31.7018, 32.1733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7411, 32.4288, 29.1707 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(146, 158, 139)` looks like.

```
.text, #text, p{  
    color:rgb(146, 158, 139)  
}
```

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(146, 158, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 158, 139) }
```

Border

The CSS property to change the border of an element to XYZ 28.7411, 32.4288, 29.1707 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(146, 158, 139) }
```


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

```
.border{ border-color:rgb(146, 158, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 158, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 158, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 158, 139);  
box-shadow:4px 4px 4px 4px rgb(146, 158,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7411, 32.4288, 29.1707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 158, 139) }
```

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

```
.background{ background-color: rgb(146,  
158, 139) }
```

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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