

Converting Colors

XYZ(29.7352, 32.9788, 28.6715)

Have a look what the booklet for
XYZ(29.7352, 32.9788, 28.6715)
contains.

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Color

**XYZ(29.7632, 32.9641,
28.8388)**

Conversions

Conversions Part 1

Format	Color
Hex	989E8A
RGB	152, 158, 138
RGB Percent	60%, 62%, 54%
CMY	0.4039, 0.3804, 0.4588
CMYK	0.04, 0.00, 0.13, 0.38
HSL	78°, 9%, 58%
HSV	78°, 13%, 62%
XYZ	29.7632, 32.9641, 28.8388
YIQ	153.9260, 2.8440, -7.4920

Conversions

Conversions Part 2

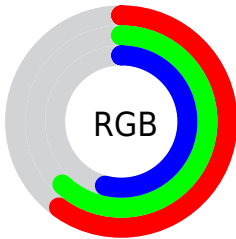
Format	Color
RYB	138, 158, 144
Decimal	10002058
CIELab	64.13, -5.86, 9.72
CIELCh	64, 11.349, 121.097
Yxy	32.9641, 0.3250, 0.3600
Android (android.graphics.Color)	4288192138 (0xFF989E8A)
YUV	153.9260, -7.8515, -1.6891
Hunter-Lab	57.4144, -7.9420, 10.4091

Details

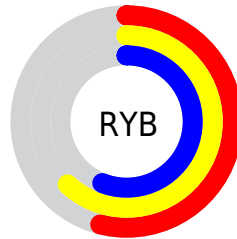
The XYZ color **29.7632, 32.9641, 28.8388** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.7630, 26.5758, 36.0686**, and the grayscale version is **30.7159, 32.3155, 35.1916**.

A 20% lighter version of the original color is **58.6518, 64.4719, 58.6433**, and **12.3860, 13.9867, 11.2794** is the 20% darker color. If you saturate the color by 10%, you get **27.8319, 32.0922, 23.2052**, and if you desaturate by 10%, it is **31.8982, 33.9238, 35.3521**.

Distribution



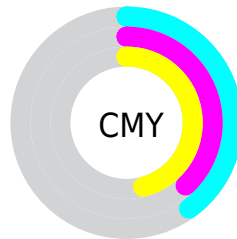
- Red (60%)
- Green (62%)
- Blue (54%)



- Red (54%)
- Yellow (62%)
- Blue (56%)



- Cyan (4%)
- Magenta (0%)
- Yellow (13%)
- Black (38%)



- Cyan (40%)
- Magenta (38%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7632, 32.9641, 28.8388 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 29.7632, 32.9641, 28.8388 by changing the saturation by 10% instead.

■ 29.7632, 32.9641,
28.8388

■ 29.7632, 32.9641,
28.8388

292.7288,
315.4879, 310.4907

■ 19.8061, 22.0989,
18.7144

■ 58.6767, 64.3195,
58.8600

■ 12.3616, 13.9296,
11.2894

■ 78.3638, 85.5785,
79.5939

■ 7.0644, 8.0717,
6.1452

■ 102.0249,
111.0709, 104.7013

■ 3.5491, 4.1409,
2.8634

130.0255,
141.1811, 134.6008

■ 1.4504, 1.7527,
1.0253

162.7308,
176.2935, 169.7110

■ 0.2917, 0.4574,
0.0000

200.5062,

■ 0.0000, 0.0000,

216.7926, 210.4503

0.0000

243.7171,
263.0626, 257.2374

■ 29.7632, 32.9641,
28.8388

■ 29.7632, 32.9641,
28.8388

■ 27.8319, 32.0922,
23.2052

■ 31.8982, 33.9238,
35.3521

■ 26.0941, 31.3006,
18.4115

■ 34.2415, 34.9698,
42.7783

■ 24.5426, 30.5876,
14.4178

■ 36.8005, 36.1064,
51.1517

■ 23.1687, 29.9495,
11.1804

■ 39.5818, 37.3361,
60.5040

■ 21.9628, 29.3826,
8.6514

■ 42.5915, 38.6614,
70.8655

■ 20.9143, 28.8824,
6.7773

■ 45.8355, 40.0848,
82.2652

■ 20.0112, 28.4443,
5.4969

■ 49.3194, 41.6085,
94.7309

■ 19.2393, 28.0623,
4.7376

■ 51.4970, 42.6141,
100.1189

■ 18.7308, 27.8076,
4.3802

■ 52.7004, 43.2345,
100.1752

Harmonies

Analogous

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



31.2723, 32.9641, 27.7555



29.7632, 32.9641, 28.8388



28.7047, 32.9641, 31.7849

Triad

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



29.7632, 32.9641, 28.8388



29.8623, 32.9641, 44.2055



34.5217, 32.9641, 35.7232

Complementary

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



29.7632, 32.9641, 28.8388



26.7630, 26.5758, 36.0686

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.



34.1136, 32.9641, 40.3392



29.7632, 32.9641, 28.8388



31.3906, 32.9641, 45.4816

Square

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



29.7632, 32.9641, 28.8388



28.7606, 32.9641, 40.6571



32.9537, 32.9641, 44.0112



34.0510, 32.9641, 31.5151

Rectangle

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



29.7632, 32.9641, 28.8388



28.3782, 32.9641, 34.5408



32.9537, 32.9641, 44.0112



34.4826, 32.9641, 37.2786

Sweetspot

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



29.7641, 32.9655, 28.8395



57.3514, 61.3457, 62.4186



28.6624, 29.0517, 28.1421



12.8648, 13.8012, 13.8712



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.



29.7641, 32.9655, 28.8395



53.0896, 59.4297, 49.5232



27.9707, 32.0410, 28.7556



6.9762, 7.6204, 7.0889



15.0416, 22.2910, 3.5098



0.3093, 0.4194, 0.0646

Inverse Universe

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



26.7630, 26.5758, 36.0686



46.6235, 45.6620, 65.0998



28.5876, 27.5165, 36.1540



6.4626, 6.5270, 8.3259



5.9331, 2.4876, 26.0747



0.1459, 0.0650, 0.4681

Previews

White Background



This preview shows how the XYZ color 29.7632, 32.9641, 28.8388 looks on a white background.

Color Contrast Check

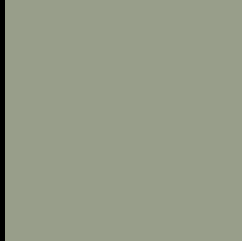
Large Text (above 18pt) WCAG AA × Fail

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 29.7632, 32.9641, 28.8388 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 29.7632, 32.9641, 28.8388

Background



This preview shows how black text looks on a background with the XYZ color 29.7632, 32.9641, 28.8388.



This preview shows how white text looks on a background with the XYZ color 29.7632, 32.9641,

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

29.7632, 32.9641, 28.8388

Protanopia

31.0656, 32.9016, 28.0059

Deuteranopia

33.5445, 32.9362, 29.4003



Tritanopia

32.1488, 32.9323, 40.7385

Trichromacy



Original Color

29.7632, 32.9641, 28.8388

Protanomaly

30.5044, 32.8522, 28.4003

Deuteranomaly

31.9878, 32.8620, 29.0832

Tritanomaly

31.2397, 32.8116, 36.1392

Monochromacy



Original Color

29.7632, 32.9641, 28.8388

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.2035, 32.3531, 32.6699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7632, 32.9641, 28.8388 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(152, 158, 138)` looks like.

```
.text, #text, p{  
    color:rgb(152, 158, 138)  
}
```

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(152, 158, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 158, 138) }
```

Border

The CSS property to change the border of an element to XYZ 29.7632, 32.9641, 28.8388 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(152, 158, 138) }
```


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

```
.border{ border-color:rgb(152, 158, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 158, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 158, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 158, 138);  
box-shadow:4px 4px 4px 4px rgb(152, 158,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7632, 32.9641, 28.8388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 158, 138) }
```

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

```
.background{ background-color: rgb(152,  
158, 138) }
```

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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