

Converting Colors

XYZ(29.8396, 28.7974, 28.8705)

Have a look what the booklet for
XYZ(29.8396, 28.7974, 28.8705)
contains.

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Color

**XYZ(29.8376, 28.7566,
28.7889)**

Conversions

Conversions Part 1

Format	Color
Hex	A68C8C
RGB	166, 140, 140
RGB Percent	65%, 55%, 55%
CMY	0.3490, 0.4510, 0.4510
CMYK	0.00, 0.16, 0.16, 0.35
HSL	0°, 13%, 60%
HSV	0°, 16%, 65%
XYZ	29.8376, 28.7566, 28.7889
YIQ	147.7740, 15.4960, 5.5120

Conversions

Conversions Part 2

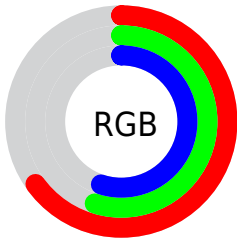
Format	Color
RYB	166, 140, 140
Decimal	10914956
CIELab	60.57, 9.79, 3.64
CIELCh	61, 10.447, 20.417
Yxy	28.7566, 0.3415, 0.3291
Android (android.graphics.Color)	4289105036 (0xFFA68C8C)
YUV	147.7740, -3.8326, 15.9842
Hunter-Lab	53.6252, 5.4752, 5.7075

Details

The XYZ color **29.8376, 28.7566, 28.7889** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **31.3342, 35.6003, 41.2968**, and the grayscale version is **28.0657, 29.5274, 32.1553**.

A 20% lighter version of the original color is **58.7362, 57.8060, 58.5140**, and **12.4411, 11.6279, 11.2616** is the 20% darker color. If you saturate the color by 10%, you get **26.4598, 23.8140, 22.0727**, and if you desaturate by 10%, it is **33.7676, 34.5073, 36.6008**.

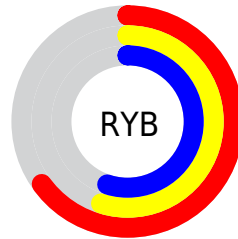
Distribution



Red (65%)

Green (55%)

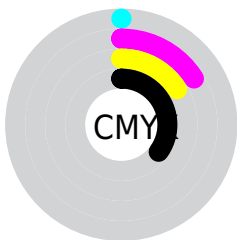
Blue (55%)



Red (65%)

Yellow (55%)

Blue (55%)

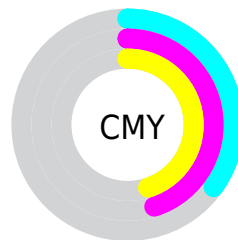


Cyan (0%)

Magenta (16%)

Yellow (16%)

Black (35%)



Cyan (35%)


Magenta (45%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8376, 28.7566, 28.7889 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 29.8376, 28.7566, 28.7889 by changing the saturation by 10% instead.


 29.8376, 28.7566,
28.7889


 29.8376, 28.7566,
28.7889


293.0702,
296.0648, 310.2473


 19.8628, 18.8968,
18.6770


 58.7937, 57.6901,
58.7797

 12.4030, 11.5957,
11.2627

 78.5056, 77.5327,
79.4957

 7.0929, 6.4690,
6.1274


 102.1940,
101.4715, 104.5834

 3.5671, 3.1323,
2.8527

130.2243,
129.8911, 134.4614

 1.4603, 1.2012,
1.0199

162.9616,
163.1758, 169.5483

 0.2986, 0.0627,
0.0000

200.7715,

 0.0000, 0.0000,

201.7101, 210.2625

0.0000

244.0192,
245.8783, 257.0227

■ 29.8376, 28.7566,
28.7889

■ 29.8376, 28.7566,
28.7889

■ 26.4598, 23.8140,
22.0727

■ 33.7676, 34.5073,
36.6008

■ 23.6071, 19.6398,
16.4017

■ 38.2703, 41.0960,
45.5525

■ 21.2539, 16.1964,
11.7238

■ 43.3684, 48.5557,
55.6878

■ 19.3716, 13.4420,
7.9818

■ 49.0823, 56.9166,
67.0475

■ 17.9284, 11.3301,
5.1130

■ 55.4317, 66.2073,
79.6707

■ 16.8887, 9.8087,
3.0465

■ 62.4354, 76.4553,
93.5946

■ 16.2117, 8.8179,
1.7009

■ 69.5360, 86.8471,
107.7060

■ 15.8438, 8.2796,
0.9698

■ 15.7262, 8.1075,
0.7360

Harmonies

Analogous

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



29.9723, 28.7566, 32.5649



29.8376, 28.7566, 28.7889



29.0197, 28.7566, 25.9245

Triad

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



29.8376, 28.7566, 28.7889



25.3803, 28.7566, 26.8094



26.9025, 28.7566, 39.2274

Complementary

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



29.8376, 28.7566, 28.7889



31.3342, 35.6003, 41.2968

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.



25.7116, 28.7566, 37.3964



29.8376, 28.7566, 28.7889



24.8521, 28.7566, 30.0898

Square

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



29.8376, 28.7566, 28.7889



26.4368, 28.7566, 24.8486



24.9713, 28.7566, 33.9764



28.2477, 28.7566, 38.8068

Rectangle

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



29.8376, 28.7566, 28.7889



28.2115, 28.7566, 24.8169



24.9713, 28.7566, 33.9764



26.4715, 28.7566, 38.8495

Sweetspot

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



29.8384, 28.7579, 28.7895



61.7215, 63.2665, 67.2954



31.9872, 29.6167, 40.1074



13.6961, 13.9881, 14.8288



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.8384, 28.7579, 28.7895



51.7764, 48.7141, 47.5241



31.8511, 32.7833, 29.4604



7.5312, 7.5424, 7.8482



12.1948, 6.2870, 0.5708



0.2967, 0.1530, 0.0139

Inverse Universe

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



31.3342, 35.6003, 41.2968



55.0460, 63.6710, 74.8638



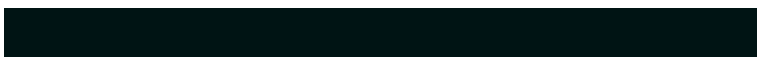
29.0897, 31.1115, 40.5486



7.7475, 8.5319, 9.6568



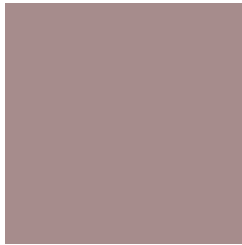
15.9089, 23.2780, 31.6301



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 29.8376, 28.7566, 28.7889 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 29.8376, 28.7566, 28.7889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

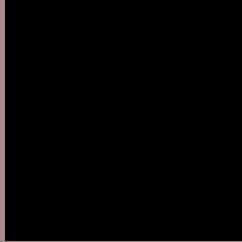
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8376, 28.7566, 28.7889

Background



This preview shows how black text looks on a background with the XYZ color 29.8376, 28.7566, 28.7889.



This preview shows how white text looks on a background with the XYZ color 29.8376, 28.7566,

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

29.8376, 28.7566, 28.7889

Protanopia

27.6312, 28.9305, 30.1144

Deuteranopia

29.3628, 28.7297, 28.8088



Tritanopia

30.5938, 28.8507, 32.3900

Trichromacy



Original Color

29.8376, 28.7566, 28.7889

Protanomaly

28.3733, 28.8681, 29.6678

Deuteranomaly

29.5683, 28.8357, 28.8184

Tritanomaly

30.3573, 28.7561, 31.1446

Monochromacy



Original Color

29.8376, 28.7566, 28.7889

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.7538, 29.2637, 30.9210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8376, 28.7566, 28.7889 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(166, 140, 140)` looks like.

```
.text, #text, p{  
    color:rgb(166, 140, 140)  
}
```

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(166, 140, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 140, 140) }
```

Border

The CSS property to change the border of an element to XYZ 29.8376, 28.7566, 28.7889 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(166, 140, 140) }
```


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

```
.border{ border-color:rgb(166, 140, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 140, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 140, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 140, 140);  
box-shadow:4px 4px 4px 4px rgb(166, 140,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8376, 28.7566, 28.7889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 140, 140) }
```

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

```
.background{ background-color: rgb(166,  
140, 140) }
```

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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