

Converting Colors

XYZ(29.2258, 29.0706, 28.0504)

Have a look what the booklet for
XYZ(29.2258, 29.0706, 28.0504)
contains.

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Color

**XYZ(29.3102, 29.1613,
28.1286)**

Conversions

Conversions Part 1

Format	Color
Hex	A28F8A
RGB	162, 143, 138
RGB Percent	64%, 56%, 54%
CMY	0.3647, 0.4392, 0.4588
CMYK	0.00, 0.12, 0.15, 0.36
HSL	13°, 11%, 59%
HSV	13°, 15%, 64%
XYZ	29.3102, 29.1613, 28.1286
YIQ	148.1110, 12.9290, 2.4730

Conversions

Conversions Part 2

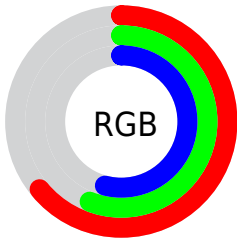
Format	Color
RYB	162, 144, 138
Decimal	10653578
CIELab	60.92, 6.24, 5.25
CIELCh	61, 8.151, 40.095
Yxy	29.1613, 0.3385, 0.3367
Android (android.graphics.Color)	4288843658 (0xFFA28F8A)
YUV	148.1110, -4.9847, 12.1807
Hunter-Lab	54.0012, 2.3822, 6.9174

Details

The XYZ color **29.3102, 29.1613, 28.1286** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **29.0596, 32.1251, 38.8518**, and the grayscale version is **28.2117, 29.6809, 32.3224**.

A 20% lighter version of the original color is **57.9855, 58.4458, 57.5152**, and **12.1062, 11.8483, 10.8814** is the 20% darker color. If you saturate the color by 10%, you get **26.4077, 25.0952, 21.7998**, and if you desaturate by 10%, it is **32.6094, 33.7401, 35.4535**.

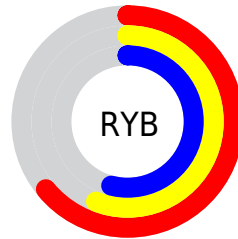
Distribution



Red (64%)

Green (56%)

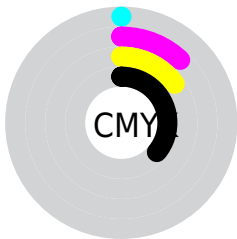
Blue (54%)



Red (64%)

Yellow (56%)

Blue (54%)

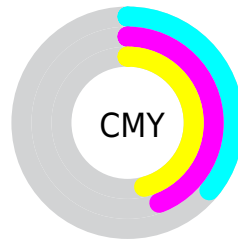


Cyan (0%)

Magenta (12%)

Yellow (15%)

Black (36%)



Cyan (36%)

Magenta (44%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3102, 29.1613, 28.1286 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 29.3102, 29.1613, 28.1286 by changing the saturation by 10% instead.

■ 29.3102, 29.1613,
28.1286

■ 29.3102, 29.1613,
28.1286

290.6436,
297.9753, 307.0122

■ 19.4611, 19.2029,
18.1827

■ 57.9637, 58.3333,
57.7153

■ 12.1099, 11.8170,
10.9105

■ 77.4988, 78.3156,
78.1931

■ 6.8913, 6.6192,
5.8932

■ 100.9933,
102.4080, 103.0188

■ 3.4399, 3.2251,
2.7125

128.8125,
130.9949, 132.6107

■ 1.3905, 1.2503,
0.9497

161.3218,
164.4607, 167.3875

■ 0.2494, 0.1023,
0.0000

198.8865,

■ 0.0000, 0.0000,

203.1897, 207.7676

0.0000

241.8720,
247.5665, 254.1696

■ 29.3102, 29.1613,
28.1286

■ 29.3102, 29.1613,
28.1286

■ 26.4077, 25.0952,
21.7998

■ 32.6094, 33.7401,
35.4535

■ 23.8843, 21.5200,
16.4220

■ 36.3170, 38.8448,
43.8131

■ 21.7248, 18.4182,
11.9497

■ 40.4476, 44.4926,
53.2463

■ 19.9120, 15.7697,
8.3327

■ 45.0139, 50.6991,
63.7892

■ 18.4270, 13.5529,
5.5158

■ 50.0283, 57.4791,
75.4765

■ 17.2493, 11.7444,
3.4374

■ 55.5027, 64.8469,
88.3413

■ 16.3558, 10.3184,
2.0269

■ 61.4486, 72.8163,
102.4151

■ 15.7195, 9.2460,
1.1974

■ 65.7807, 80.5621,
106.6908

■ 15.4659, 8.8125,
0.8858

■ 68.7104, 86.4214,
107.6673

Harmonies

Analogous

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



29.7785, 29.1613, 30.7366



29.3102, 29.1613, 28.1286



28.4187, 29.1613, 26.5593

Triad

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



29.3102, 29.1613, 28.1286



25.8391, 29.1613, 29.8000



28.0768, 29.1613, 37.8709

Complementary

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



29.3102, 29.1613, 28.1286



29.0596, 32.1251, 38.8518

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.



27.0268, 29.1613, 37.5802



29.3102, 29.1613, 28.1286



25.7528, 29.1613, 32.7889

Square

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



29.3102, 29.1613, 28.1286



26.4212, 29.1613, 27.4807



26.1825, 29.1613, 35.6733



29.0544, 29.1613, 36.4438

Rectangle

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



29.3102, 29.1613, 28.1286



27.7135, 29.1613, 26.2500



26.1825, 29.1613, 35.6733



27.7203, 29.1613, 37.9729

Sweetspot

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



29.3110, 29.1626, 28.1292



59.6711, 61.9039, 65.4186



30.0920, 28.2999, 35.8646



13.2975, 13.7592, 14.4591



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.3110, 29.1626, 28.1292



51.2717, 50.2331, 46.8099



31.1761, 32.8929, 28.7509



7.1879, 7.3142, 7.4130



12.2107, 6.9954, 0.7067



0.2870, 0.2079, 0.0250

Inverse Universe

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



29.0596, 32.1251, 38.8518



50.7192, 56.7303, 70.3330



27.1592, 28.3243, 38.2184



7.1502, 7.7594, 9.0239



11.2742, 14.3279, 29.1011



0.2667, 0.3607, 0.6214

Previews

White Background



This preview shows how the XYZ color 29.3102, 29.1613, 28.1286 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 29.3102, 29.1613, 28.1286 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 29.3102, 29.1613, 28.1286

Background



This preview shows how black text looks on a background with the XYZ color 29.3102, 29.1613, 28.1286.



This preview shows how white text looks on a background with the XYZ color 29.3102, 29.1613,

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

29.3102, 29.1613, 28.1286

Protanopia

27.7750, 29.0305, 28.9505

Deuteranopia

29.7775, 29.1803, 28.1077



Tritanopia

30.5022, 29.2093, 33.7361

Trichromacy



Original Color

29.3102, 29.1613, 28.1286

Protanomaly

28.3032, 29.0834, 28.5480

Deuteranomaly

29.5703, 29.0735, 28.0980

Tritanomaly

30.0437, 29.2391, 31.6640

Monochromacy



Original Color

29.3102, 29.1613, 28.1286

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.4498, 29.3437, 30.5500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3102, 29.1613, 28.1286 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(162, 143, 138)` looks like.

```
.text, #text, p{  
    color:rgb(162, 143, 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(162, 143, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 143, 138) }
```

Border

The CSS property to change the border of an element to XYZ 29.3102, 29.1613, 28.1286 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(162, 143, 138) }
```


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

```
.border{ border-color:rgb(162, 143, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 143, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 143, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 143, 138); box-shadow:4px 4px 4px 4px rgb(162, 143, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3102, 29.1613, 28.1286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 143, 138) }
```

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

```
.background{ background-color: rgb(162,  
143, 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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