

Converting Colors

XYZ(28.3083, 29.2652, 29.9712)

Have a look what the booklet for
XYZ(28.3083, 29.2652, 29.9712)
contains.

XYZ(28.3737, 29.3132, 30.1492)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.3737, 29.3132,
30.1492)**

Conversions

Conversions Part 1

Format	Color
Hex	99928F
RGB	153, 146, 143
RGB Percent	60%, 57%, 56%
CMY	0.4000, 0.4274, 0.4392
CMYK	0.00, 0.05, 0.07, 0.40
HSL	18°, 5%, 58%
HSV	18°, 7%, 60%
XYZ	28.3737, 29.3132, 30.1492
YIQ	147.7510, 5.1350, 0.5510

Conversions

Conversions Part 2

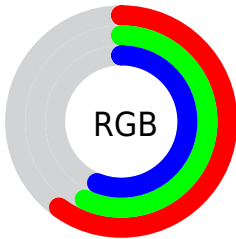
Format	Color
R_{YB}	153, 147, 143
Decimal	10064527
CIE Lab	61.06, 2.02, 2.50
CIE LCh	61, 3.216, 51.007
Yxy	29.3132, 0.3230, 0.3337
Android (android.graphics.Color)	4288254607 (0xFF99928F)
YUV	147.7510, -2.3422, 4.6034
Hunter-Lab	54.1417, -1.2025, 4.8831

Details

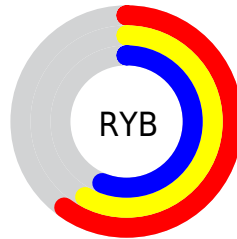
The XYZ color **28.3737, 29.3132, 30.1492** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.9839, 29.9520, 34.4439**, and the grayscale version is **28.0532, 29.5142, 32.1409**.

A 20% lighter version of the original color is **56.4644, 58.6052, 61.1593**, and **11.6381, 11.9808, 12.0551** is the 20% darker color. If you saturate the color by 10%, you get **25.7192, 25.7340, 23.9307**, and if you desaturate by 10%, it is **31.3426, 33.2673, 37.2532**.

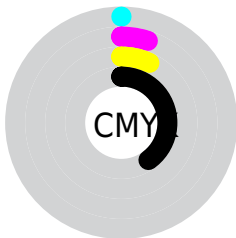
Distribution



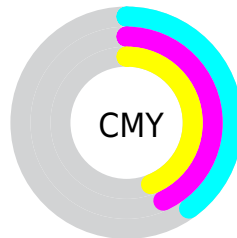
- Red (60%)
- Green (57%)
- Blue (56%)



- Red (60%)
- Yellow (58%)
- Blue (56%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (40%)



- Cyan (40%)
- Magenta (43%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3737, 29.3132, 30.1492 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 28.3737, 29.3132, 30.1492 by changing the saturation by 10% instead.

■ 28.3737, 29.3132,
30.1492

■ 28.3737, 29.3132,
30.1492

286.2961,
298.6899, 316.8282

■ 18.7494, 19.3179,
19.6988

■ 56.4850, 58.5743,
60.9618

■ 11.5923, 11.9002,
11.9944

■ 75.7028, 78.6089,
82.1612

■ 6.5369, 6.6758,
6.6174

98.8491, 102.7587,
107.7807

■ 3.2180, 3.2602,
3.1492

126.2892,
131.4082, 138.2388

■ 1.2700, 1.2690,
1.1713

158.3887,
164.9416, 173.9540

■ 0.1606, 0.1170,
0.0000

195.5128,

■ 0.0000, 0.0000,

203.7434, 215.3450

0.0000

238.0268,
248.1981, 262.8302

■ 28.3737, 29.3132,
30.1492

■ 28.3737, 29.3132,
30.1492

■ 25.7192, 25.7340,
23.9307

■ 31.3426, 33.2673,
37.2532

■ 23.3660, 22.5150,
18.5609

■ 34.6334, 37.6031,
45.2737

■ 21.3037, 19.6459,
14.0031

■ 38.2565, 42.3319,
54.2426

■ 19.5205, 17.1145,
10.2175

■ 42.2212, 47.4635,
64.1897

■ 18.0034, 14.9079,
7.1606

■ 46.5363, 53.0071,
75.1433

■ 16.7387, 13.0124,
4.7846

■ 51.2102, 58.9719,
87.1309

■ 15.7110, 11.4131,
3.0360

■ 56.2512, 65.3666,
100.1786

■ 14.9031, 10.0938,
1.8530

■ 59.9466, 71.5115,
105.2513

■ 14.2916, 9.0351,
1.1429

■ 63.0468, 77.7119,
106.2847

Harmonies

Analogous

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



28.6237, 29.3132, 31.0933



28.3737, 29.3132, 30.1492



27.9880, 29.3132, 29.6819

Triad

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



28.3737, 29.3132, 30.1492



27.0695, 29.3132, 31.5561



28.1525, 29.3132, 34.1303

Complementary

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



28.3737, 29.3132, 30.1492



27.9839, 29.9520, 34.4439

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.



27.7350, 29.3132, 34.2617



28.3737, 29.3132, 30.1492



27.1126, 29.3132, 32.7553

Square

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



28.3737, 29.3132, 30.1492



27.2370, 29.3132, 30.4807



27.3551, 29.3132, 33.7528



28.4951, 29.3132, 33.3979

Rectangle

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



28.3737, 29.3132, 30.1492



27.7071, 29.3132, 29.6954



27.3551, 29.3132, 33.7528



28.0161, 29.3132, 34.2469

Sweetspot

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



28.3745, 29.3145, 30.1498



53.1344, 55.5974, 59.5144



28.4648, 28.6197, 32.8785



11.7473, 12.2960, 13.1765



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



28.3745, 29.3145, 30.1498



50.0058, 51.4131, 52.0813



29.1619, 30.8892, 30.4123



6.3525, 6.5100, 6.5276



11.6892, 7.2608, 0.7854



0.2039, 0.1668, 0.0214

Inverse Universe

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



27.9839, 29.9520, 34.4439



49.1419, 52.8228, 61.5778



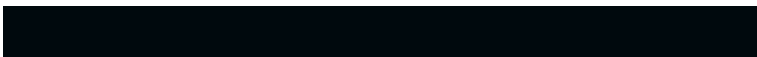
27.2033, 28.3908, 34.1837



6.2279, 6.7132, 7.8965



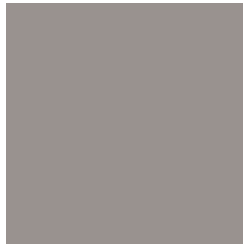
9.1330, 10.6627, 26.4844



0.1679, 0.2221, 0.4064

Previews

White Background



This preview shows how the XYZ color 28.3737, 29.3132, 30.1492 looks on a white background.

Color Contrast Check

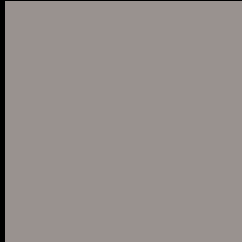
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3737, 29.3132, 30.1492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

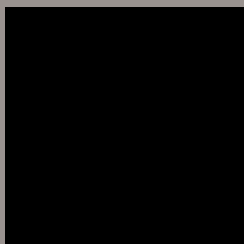
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

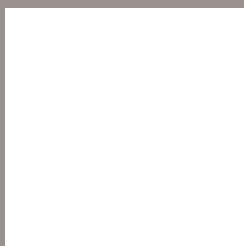
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3737, 29.3132, 30.1492

Background



This preview shows how black text looks on a background with the XYZ color 28.3737, 29.3132, 30.1492.

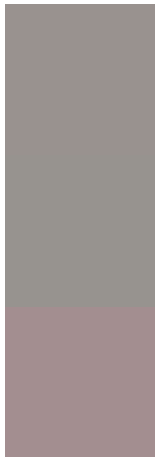


This preview shows how white text looks on a background with the XYZ color 28.3737, 29.3132,

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

28.3737, 29.3132, 30.1492

Protanopia

28.1541, 29.4299, 30.1833

Deuteranopia

29.8113, 29.1461, 30.4401



Tritanopia

29.4072, 29.2816, 35.1123

Trichromacy



Original Color

28.3737, 29.3132, 30.1492

Protanomaly

28.3405, 29.5260, 30.1920

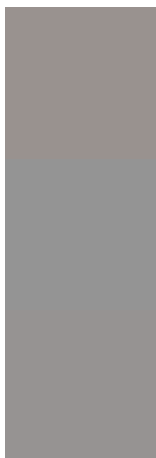
Deuteranomaly

29.1546, 29.0295, 30.4522

Tritanomaly

29.0377, 29.3552, 33.4138

Monochromacy



Original Color

28.3737, 29.3132, 30.1492

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.1997, 29.4268, 31.3878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3737, 29.3132, 30.1492 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(153, 146, 143)` looks like.

```
.text, #text, p{  
    color:rgb(153, 146, 143)  
}
```

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(153, 146, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 146, 143) }
```

Border

The CSS property to change the border of an element to XYZ 28.3737, 29.3132, 30.1492 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(153, 146, 143) }
```


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

```
.border{ border-color:rgb(153, 146, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 146, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 146, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 146, 143);  
box-shadow:4px 4px 4px 4px rgb(153, 146,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3737, 29.3132, 30.1492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 146, 143) }
```

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

```
.background{ background-color: rgb(153,  
146, 143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor