

Converting Colors

XYZ(28.7635, 33.0972, 16.0107)

Have a look what the booklet for
XYZ(28.7635, 33.0972, 16.0107)
contains.

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Color

**XYZ(28.6100, 32.9099,
15.9107)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9F60
RGB	158, 159, 96
RGB Percent	62%, 62%, 38%
CMY	0.3804, 0.3765, 0.6235
CMYK	0.01, 0.00, 0.40, 0.38
HSL	61°, 25%, 50%
HSV	61°, 40%, 62%
XYZ	28.6100, 32.9099, 15.9107
YIQ	151.5190, 19.6270, -19.8050

Conversions

Conversions Part 2

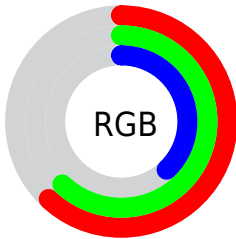
Format	Color
RYB	96, 159, 97
Decimal	10395488
CIELab	64.09, -10.12, 32.74
CIELCh	64, 34.266, 107.169
Yxy	32.9099, 0.3695, 0.4250
Android (android.graphics.Color)	4288585568 (0xFF9E9F60)
YUV	151.5190, -27.3709, 5.6838
Hunter-Lab	57.3672, -11.3714, 23.7130

Details

The XYZ color **28.6100, 32.9099, 15.9107** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.3719, 13.4112, 34.5813**, and the grayscale version is **29.7467, 31.2958, 34.0811**.

A 20% lighter version of the original color is **57.0446, 64.4959, 37.0461**, and **11.7218, 13.9418, 4.8695** is the 20% darker color. If you saturate the color by 10%, you get **27.9013, 32.6218, 12.4352**, and if you desaturate by 10%, it is **29.4685, 33.2602, 20.1675**.

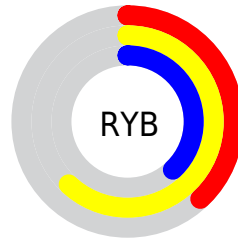
Distribution



Red (62%)

Green (62%)

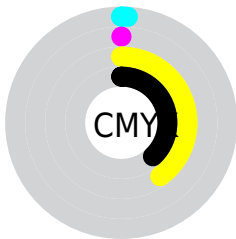
Blue (38%)



Red (38%)

Yellow (62%)

Blue (38%)

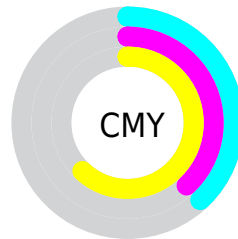


Cyan (1%)

Magenta (0%)

Yellow (40%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6100, 32.9099, 15.9107 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 28.6100, 32.9099, 15.9107 by changing the saturation by 10% instead.

■ 28.6100, 32.9099,
15.9107

■ 28.6100, 32.9099,
15.9107

287.3979,
315.2435, 240.6419

■ 18.9288, 22.0574,
9.3073

■ 56.8587, 64.2348,
37.2077

■ 11.7225, 13.8991,
4.8426

■ 76.1570, 85.4761,
52.7385

■ 6.6259, 8.0505,
2.0981

■ 99.3916, 110.9491,
72.0821

■ 3.2735, 4.1273,
0.6146

■ 126.9279,
141.0382, 95.6571

■ 1.3000, 1.7450,
0.0000

159.1314,
176.1278, 123.8820

■ 0.1832, 0.4526,
0.0000

196.3673,

■ 0.0000, 0.0000,

216.6023, 157.1754

0.0000

239.0010,
262.8461, 195.9559

■ 28.6100, 32.9099,
15.9107

■ 28.6100, 32.9099,
15.9107

■ 27.9013, 32.6218,
12.4352

■ 29.4685, 33.2602,
20.1675

■ 27.3310, 32.3880,
9.6916

■ 30.4826, 33.6717,
25.2468

■ 26.8900, 32.2058,
7.6280


■ 31.6608, 34.1487,
31.1895


■ 26.5669, 32.0709,
6.1853


■ 33.0102, 34.6943,
38.0331


■ 26.3487, 31.9779,
5.2937


■ 34.5375, 35.3110,
45.8129


 26.2053, 31.9149,
4.7962

 36.2490, 36.0015,
54.5624

 26.2002, 31.9126,
4.7788

 38.1508, 36.7680,
64.3133

 40.2486, 37.6130,
75.0960

 42.5480, 38.5386,
86.9395

Harmonies

Analogous

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



33.3944, 32.9099, 15.6085



28.6100, 32.9099, 15.9107



24.9339, 32.9099, 20.5849

Triad

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



28.6100, 32.9099, 15.9107



25.3650, 32.9099, 59.1736



41.2695, 32.9099, 42.0901

Complementary

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



28.6100, 32.9099, 15.9107



15.3719, 13.4112, 34.5813

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.



38.6204, 32.9099, 57.2011



28.6100, 32.9099, 15.9107



29.2565, 32.9099, 68.6454

Square

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



28.6100, 32.9099, 15.9107



23.1975, 32.9099, 44.2990



34.1109, 32.9099, 67.8424



41.0504, 32.9099, 28.5213

Rectangle

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



28.6100, 32.9099, 15.9107



23.4563, 32.9099, 26.4469



34.1109, 32.9099, 67.8424



40.6743, 32.9099, 47.2130

Sweetspot

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



28.6108, 32.9114, 15.9114



56.1197, 60.9195, 52.9290



20.5934, 16.5820, 13.1821



12.5934, 13.7105, 11.6361



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.



28.6108, 32.9114, 15.9114



50.0476, 58.4528, 22.6669



23.3378, 30.1931, 15.6646



7.1597, 7.7150, 7.0974



20.6961, 25.2060, 3.7744



0.3730, 0.4522, 0.0676

Inverse Universe

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



15.3719, 13.4112, 34.5813



22.8127, 18.3336, 61.0798



19.2690, 15.4202, 34.7636



6.2940, 6.4400, 8.3180



4.9713, 1.9918, 26.0297



0.0914, 0.0369, 0.4655

Previews

White Background



This preview shows how the XYZ color 28.6100, 32.9099, 15.9107 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 28.6100, 32.9099, 15.9107 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 28.6100, 32.9099, 15.9107

Background



This preview shows how black text looks on a background with the XYZ color 28.6100, 32.9099, 15.9107.



This preview shows how white text looks on a background with the XYZ color 28.6100, 32.9099,

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

28.6100, 32.9099, 15.9107

Protanopia

30.3645, 32.8150, 15.5600

Deuteranopia

33.2880, 32.6264, 16.0983



Tritanopia

33.4034, 32.8846, 39.2371

Trichromacy



Original Color

28.6100, 32.9099, 15.9107

Protanomaly

29.6799, 32.7101, 15.5759

Deuteranomaly

31.2904, 32.5496, 15.9428

Tritanomaly

31.3201, 32.7618, 29.0990

Monochromacy



Original Color

28.6100, 32.9099, 15.9107

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.2126, 31.9787, 26.4626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6100, 32.9099, 15.9107 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(158, 159, 96)` looks like.

```
.text, #text, p{  
    color:rgb(158, 159, 96)  
}
```

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(158, 159, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 159, 96) }
```

Border

The CSS property to change the border of an element to XYZ 28.6100, 32.9099, 15.9107 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(158, 159, 96) }
```


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

```
.border{ border-color:rgb(158, 159, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 159, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 159, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 159, 96);  
box-shadow:4px 4px 4px 4px rgb(158, 159,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6100, 32.9099, 15.9107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 159, 96) }
```

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

```
.background{ background-color: rgb(158,  
159, 96) }
```

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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