

Converting Colors

XYZ(28.8225, 16.9276, 63.8051)

Have a look what the booklet for
XYZ(28.8225, 16.9276, 63.8051)
contains.

XYZ(28.8990, 16.9653, 64.0388)	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(28.8990, 16.9653,
64.0388)**

Conversions

Conversions Part 1

Format	Color
Hex	A148D4
RGB	161, 72, 212
RGB Percent	63%, 28%, 83%
CMY	0.3686, 0.7176, 0.1686
CMYK	0.24, 0.66, 0.00, 0.17
HSL	278°, 62%, 56%
HSV	278°, 66%, 83%
XYZ	28.8990, 16.9653, 64.0388
YIQ	114.5710, 8.1040, 62.4080

Conversions

Conversions Part 2

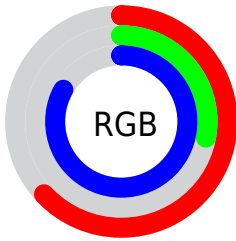
Format	Color
RYB	161, 72, 212
Decimal	10569940
CIELab	48.22, 59.42, -56.85
CIELCh	48, 82.237, 316.267
Yxy	16.9653, 0.2629, 0.1544
Android (android.graphics.Color)	4288760020 (0xFFA148D4)
YUV	114.5710, 48.0325, 40.7182
Hunter-Lab	41.1890, 53.1585, -63.3493

Details

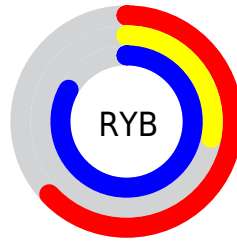
The XYZ color **28.8990, 16.9653, 64.0388** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **32.8819, 51.7661, 14.3902**, and the grayscale version is **16.0248, 16.8593, 18.3598**.

A 20% lighter version of the original color is **54.7243, 37.2018, 98.9041**, and **11.9024, 5.5555, 31.8975** is the 20% darker color. If you saturate the color by 10%, you get **26.2487, 13.9035, 63.5878**, and if you desaturate by 10%, it is **32.1192, 21.0226, 64.6525**.

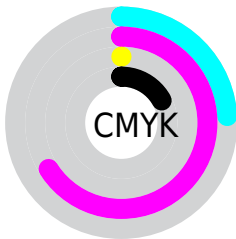
Distribution



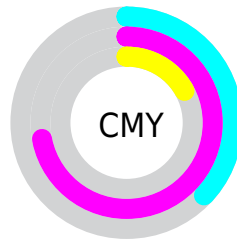
- Red (63%)
- Green (28%)
- Blue (83%)



- Red (63%)
- Yellow (28%)
- Blue (83%)



- Cyan (24%)
- Magenta (66%)
- Yellow (0%)
- Black (17%)



- Cyan (37%)
- Magenta (72%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8990, 16.9653, 64.0388 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 28.8990, 16.9653, 64.0388 by changing the saturation by 10% instead.

■ 28.8990, 16.9653,
64.0388

■ 28.8990, 16.9653,
64.0388

288.7409,
234.9723, 457.5410

■ 19.1483, 10.2098,
46.2357

■ 57.3152, 38.2661,
112.2668

■ 11.8821, 5.5383,
32.0819

■ 76.7115, 53.5802,
143.5288

■ 6.7351, 2.5664,
21.1587

■ 100.0537, 72.5158,
180.1142

■ 3.3418, 0.9098,
13.0477

■ 127.7072, 95.4575,
222.4416

■ 1.3370, 0.0000,
7.3303

■ 160.0373,
122.7896, 270.9294

■ 0.2107, 0.0000,
3.5879

197.4094,

■ 0.0000, 0.0000,

154.8965, 325.9962

1.4021

240.1888,
192.1626, 388.0606

■ 0.0000, 0.0000,
0.1434

■ 0.0000, 0.0000,
0.0000

■ 28.8990, 16.9653,
64.0388

■ 28.8990, 16.9653,
64.0388

■ 26.2487, 13.9035,
63.5878

■ 32.1192, 21.0226,
64.6525

■ 24.1135, 11.7326,
63.2813

■ 35.9526, 26.1617,
65.4424

■ 22.4288, 10.3251,
63.0984

■ 40.4402, 32.4617,
66.4219

■ 21.8390, 9.8856,
63.0447

■ 45.6186, 39.9934,
67.6028

■ 51.5217, 48.8221,
68.9957

■ 58.1808, 59.0082,
70.6109

■ 65.6253, 70.6082,
72.4576

■ 73.8829, 83.6756,
74.5446

■ 80.4397, 93.1804,
76.0336

Harmonies

Analogous

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



20.4952, 16.9653, 92.8566



28.8990, 16.9653, 64.0388



34.5036, 16.9653, 30.0684

Triad

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



28.8990, 16.9653, 64.0388



19.7833, 16.9653, 0.2269



5.8889, 16.9653, 32.5673

Complementary

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



28.8990, 16.9653, 64.0388



32.8819, 51.7661, 14.3902

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.



5.8053, 16.9653, 10.3224



28.8990, 16.9653, 64.0388



12.4249, 16.9653, 0.2927

Square

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



28.8990, 16.9653, 64.0388



28.2410, 16.9653, 1.8371



7.8099, 16.9653, 2.1274



8.0903, 16.9653, 67.0322

Rectangle

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



28.8990, 16.9653, 64.0388



35.0461, 16.9653, 14.3336



7.8099, 16.9653, 2.1274



5.6424, 16.9653, 23.3396

Sweetspot

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



28.8997, 16.9660, 64.0392



74.3752, 68.3109, 103.8731



21.6811, 20.3806, 65.0788



15.3784, 13.8135, 22.1057



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.8997, 16.9660, 64.0392



38.5493, 19.7151, 96.3814



39.1320, 22.4974, 52.9277



12.4940, 12.3961, 15.6717



13.5956, 6.1613, 38.9258



0.9094, 0.4177, 2.3520

Inverse Universe

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



33.0443, 20.0623, 20.8700



46.3648, 25.3872, 22.5125



28.0904, 49.2146, 17.8418



12.6084, 12.4948, 13.8779



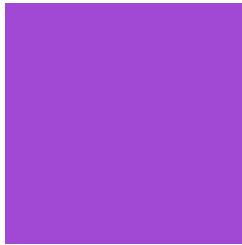
17.6379, 8.9915, 5.3975



1.1030, 0.5580, 0.5316

Previews

White Background



This preview shows how the XYZ color 28.8990, 16.9653, 64.0388 looks on a white background.

Color Contrast Check

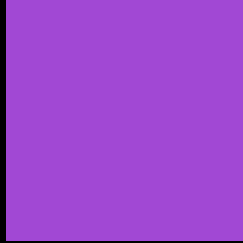
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.8990, 16.9653, 64.0388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

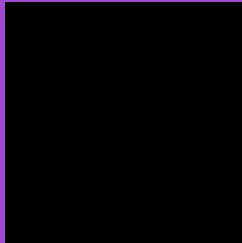
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.8990, 16.9653, 64.0388

Background



This preview shows how black text looks on a background with the XYZ color 28.8990, 16.9653, 64.0388.



This preview shows how white text looks on a background with the XYZ color 28.8990, 16.9653,

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

28.8990, 16.9653, 64.0388

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.6521, 17.1259, 58.8752



Tritanopia

19.3965, 16.8679, 17.2725

Trichromacy



Original Color

28.8990, 16.9653, 64.0388



Protanomaly

19.9435, 15.0252, 74.5221



Deuteranomaly

19.0060, 15.2760, 60.3394



Tritanomaly

21.9349, 16.3717, 30.0209

Monochromacy



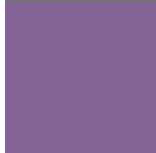
Original Color

28.8990, 16.9653, 64.0388



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

19.4826, 16.0312, 30.9217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8990, 16.9653, 64.0388 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(161, 72, 212)` looks like.

```
.text, #text, p{  
    color:rgb(161, 72, 212)  
}
```

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(161, 72, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 72, 212) }
```

Border

The CSS property to change the border of an element to XYZ 28.8990, 16.9653, 64.0388 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(161, 72, 212) }
```


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

```
.border{ border-color:rgb(161, 72, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 72, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 72, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 72, 212);  
box-shadow:4px 4px 4px 4px rgb(161, 72,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8990, 16.9653, 64.0388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 72, 212) }
```

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

```
.background{ background-color: rgb(161, 72,  
212) }
```

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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