

Converting Colors

XYZ(33.4860, 28.6916, 72.5953)

Have a look what the booklet for
XYZ(33.4860, 28.6916, 72.5953)
contains.

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Color

**XYZ(33.5258, 28.6216,
72.8648)**

Conversions

Conversions Part 1

Format	Color
Hex	9187DE
RGB	145, 135, 222
RGB Percent	57%, 53%, 87%
CMY	0.4314, 0.4706, 0.1294
CMYK	0.35, 0.39, 0.00, 0.13
HSL	247°, 57%, 70%
HSV	247°, 39%, 87%
XYZ	33.5258, 28.6216, 72.8648
YIQ	147.9080, -21.9670, 29.1770

Conversions

Conversions Part 2

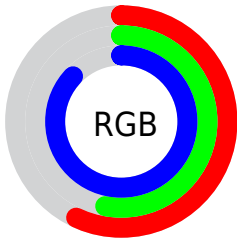
Format	Color
RYB	145, 135, 222
Decimal	9537502
CIELab	60.45, 23.77, -43.13
CIELCh	60, 49.249, 298.857
Yxy	28.6216, 0.2483, 0.2120
Android (android.graphics.Color)	4287727582 (0xFF9187DE)
YUV	147.9080, 36.5274, -2.5503
Hunter-Lab	53.4992, 18.2353, -43.3024

Details

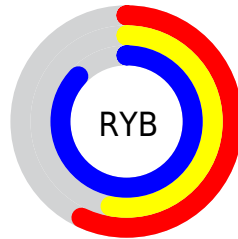
The XYZ color **33.5258, 28.6216, 72.8648** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **57.6463, 67.9894, 33.0076**, and the grayscale version is **27.9701, 29.4267, 32.0457**.

A 20% lighter version of the original color is **60.1206, 55.6039, 102.1717**, and **14.4458, 11.4743, 37.5298** is the 20% darker color. If you saturate the color by 10%, you get **27.5774, 21.4269, 71.7901**, and if you desaturate by 10%, it is **40.7208, 37.4186, 74.1841**.

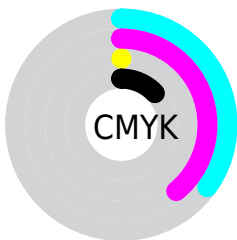
Distribution



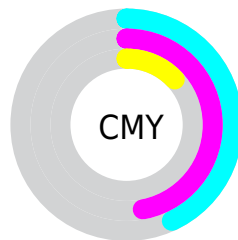
- Red (57%)
- Green (53%)
- Blue (87%)



- Red (57%)
- Yellow (53%)
- Blue (87%)



- Cyan (35%)
- Magenta (39%)
- Yellow (0%)
- Black (13%)



- Cyan (43%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5258, 28.6216, 72.8648 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 33.5258, 28.6216, 72.8648 by changing the saturation by 10% instead.

■ 33.5258, 28.6216,
72.8648

■ 33.5258, 28.6216,
72.8648

309.6357,
295.4254, 489.6043

■ 22.6907, 18.7948,
53.3743

■ 64.5448, 57.4753,
125.0044

■ 14.4847, 11.5221,
37.7119

■ 85.4594, 77.2710,
158.4905

■ 8.5425, 6.4191,
25.4590

■ 110.4645,
101.1584, 197.4790

■ 4.4987, 3.1016,
16.1973

139.9255,
129.5220, 242.3882

■ 1.9880, 1.1850,
9.5080

174.2078,
162.7461, 293.6368

■ 0.6272, 0.0494,
4.9727

213.6767,

■ 0.0000, 0.0000,

201.2150, 351.6434

2.1728

258.6975,
245.3133, 416.8263

■ 0.0000, 0.0000,
0.6586

■ 0.0000, 0.0000,
0.0000

■ 33.5258, 28.6216,
72.8648

■ 33.5258, 28.6216,
72.8648

■ 27.5774, 21.4269,
71.7901

■ 40.7208, 37.4186,
74.1841

■ 22.8012, 15.7346,
70.9431

■ 49.2249, 47.9032,
75.7596

■ 19.1196, 11.4383,
70.3079

■ 59.0999, 60.1589,
77.6047

■ 16.4444, 8.4164,
69.8656

■ 70.4030, 74.2622,
79.7312

■ 14.6730, 6.5260,
69.5941

■ 83.1880, 90.2855,
82.1502

■ 13.6595, 5.5477,
69.4587

■ 90.1849, 98.0540,
83.2809

■ 13.5987, 5.4873,
69.4502

Harmonies

Analogous

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



26.9614, 28.6216, 80.7634



33.5258, 28.6216, 72.8648



39.0362, 28.6216, 52.9471

Triad

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



33.5258, 28.6216, 72.8648



34.0126, 28.6216, 9.8075



16.7402, 28.6216, 30.4724

Complementary

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



33.5258, 28.6216, 72.8648



57.6463, 67.9894, 33.0076

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.



18.0426, 28.6216, 16.3636



33.5258, 28.6216, 72.8648



27.4480, 28.6216, 7.6604

Square

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



33.5258, 28.6216, 72.8648



39.3466, 28.6216, 17.1619



21.7314, 28.6216, 9.4886



17.8582, 28.6216, 51.2471

Rectangle

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



33.5258, 28.6216, 72.8648



41.0126, 28.6216, 38.4146



21.7314, 28.6216, 9.4886



16.9053, 28.6216, 24.8886

Sweetspot

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



33.5269, 28.6227, 72.8655



76.7820, 77.2271, 105.4672



47.0471, 58.1651, 77.8552



16.0459, 16.0471, 22.5016



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.



33.5269, 28.6227, 72.8655



39.1160, 30.9725, 98.5244



42.3921, 33.1929, 73.2804



13.0976, 13.3184, 17.2681



8.1246, 3.2837, 41.2540



0.6126, 0.2531, 2.8618

Inverse Universe

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



50.6725, 37.6119, 66.8767



65.8355, 44.9941, 88.6088



47.0296, 62.5163, 32.5108



14.2236, 13.9071, 16.9477



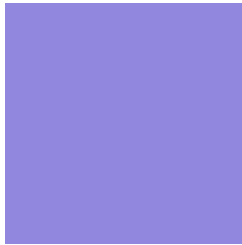
23.8706, 11.6153, 32.3142



1.6741, 0.8129, 2.3427

Previews

White Background



This preview shows how the XYZ color 33.5258, 28.6216, 72.8648 looks on a white background.

Color Contrast Check

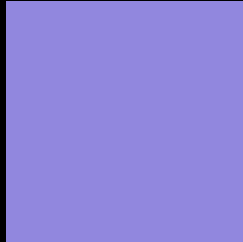
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5258, 28.6216, 72.8648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

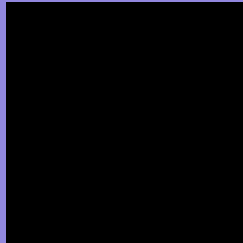
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5258, 28.6216, 72.8648

Background



This preview shows how black text looks on a background with the XYZ color 33.5258, 28.6216, 72.8648.



This preview shows how white text looks on a background with the XYZ color 33.5258, 28.6216,

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

33.5258, 28.6216, 72.8648

Protanopia

30.9047, 28.8795, 78.0742

Deuteranopia

29.5992, 28.7976, 71.7086



Tritanopia

26.2951, 28.5432, 37.3812

Trichromacy



Original Color

33.5258, 28.6216, 72.8648

Protanomaly

31.5630, 28.6071, 75.8097

Deuteranomaly

30.7444, 28.4812, 72.2836

Tritanomaly

28.5230, 28.2981, 48.7585

Monochromacy



Original Color

33.5258, 28.6216, 72.8648

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.5929, 28.9431, 44.5843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5258, 28.6216, 72.8648 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(145, 135, 222)` looks like.

```
.text, #text, p{  
    color:rgb(145, 135, 222)  
}
```

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(145, 135, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 135, 222) }
```

Border

The CSS property to change the border of an element to XYZ 33.5258, 28.6216, 72.8648 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(145, 135, 222) }
```


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

```
.border{ border-color:rgb(145, 135, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 135, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 135, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 135, 222);  
box-shadow:4px 4px 4px 4px rgb(145, 135,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5258, 28.6216, 72.8648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 135, 222) }
```

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

```
.background{ background-color: rgb(145,  
135, 222) }
```

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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