

Converting Colors

XYZ(37.2510, 28.1613, 89.6985)

Have a look what the booklet for
XYZ(37.2510, 28.1613, 89.6985)
contains.

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Color

**XYZ(37.3326, 28.2284,
89.8672)**

Conversions

Conversions Part 1

Format	Color
Hex	9B7DF5
RGB	155, 125, 245
RGB Percent	61%, 49%, 96%
CMY	0.3921, 0.5098, 0.0392
CMYK	0.37, 0.49, 0.00, 0.04
HSL	255°, 86%, 73%
HSV	255°, 49%, 96%
XYZ	37.3326, 28.2284, 89.8672
YIQ	147.6500, -20.6400, 43.6800

Conversions

Conversions Part 2

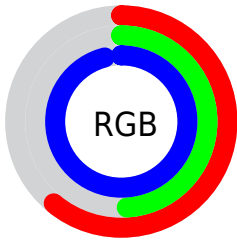
Format	Color
RYB	155, 125, 245
Decimal	10190325
CIELab	60.09, 38.18, -56.41
CIELCh	60, 68.114, 304.092
Yxy	28.2284, 0.2402, 0.1816
Android (android.graphics.Color)	4288380405 (0xFF9B7DF5)
YUV	147.6500, 47.9935, 6.4459
Hunter-Lab	53.1304, 32.4466, -63.0945

Details

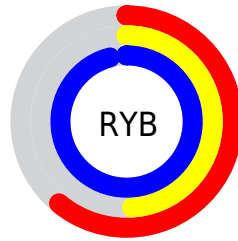
The XYZ color **37.3326, 28.2284, 89.8672** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **64.3786, 81.2330, 31.6893**, and the grayscale version is **27.8167, 29.2653, 31.8699**.

A 20% lighter version of the original color is **61.4110, 53.2069, 101.6410**, and **16.6302, 11.2597, 48.8738** is the 20% darker color. If you saturate the color by 10%, you get **31.3429, 21.0907, 88.8057**, and if you desaturate by 10%, it is **44.6261, 37.1743, 91.2101**.

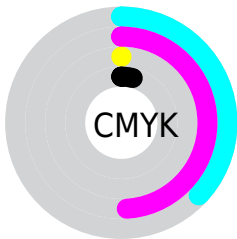
Distribution



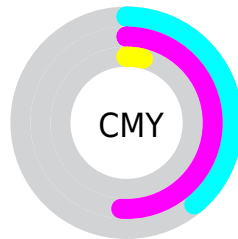
- Red (61%)
- Green (49%)
- Blue (96%)



- Red (61%)
- Yellow (49%)
- Blue (96%)



- Cyan (37%)
- Magenta (49%)
- Yellow (0%)
- Black (4%)




- Cyan (39%)
- Magenta (51%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3326, 28.2284, 89.8672 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 37.3326, 28.2284, 89.8672 by changing the saturation by 10% instead.


 37.3326, 28.2284,
89.8672

 37.3326, 28.2284,
89.8672


326.0788,
293.5567, 548.1577

 25.6400, 18.4979,
67.2974


 70.3945, 56.8489,
149.0878

 16.6858, 11.3080,
48.8632


 92.4946, 76.5077,
186.5757

 10.1046, 6.2744,
34.1462


 118.7944,
100.2447, 229.8734

 5.5312, 3.0127,
22.7276

149.6595,
128.4443, 279.3995

 2.6001, 1.1383,
14.1891

185.4551,
161.4909, 335.5724

 0.9460, 0.0105,
8.1121

226.5466,

 0.0000, 0.0000,

199.7689, 398.8107

4.0779

273.2994,
243.6627, 469.5330

■ 0.0000, 0.0000,
1.6682

■ 0.0000, 0.0000,
0.3388

■ 37.3326, 28.2284,
89.8672

■ 37.3326, 28.2284,
89.8672

■ 31.3429, 21.0907,
88.8057

■ 44.6261, 37.1743,
91.2101

■ 26.5719, 15.6312,
88.0034

■ 53.2939, 48.0400,
92.8505

■ 22.9296, 11.7069,
87.4379

■ 63.4055, 60.9314,
94.8059

■ 20.3103, 9.1483,
87.0821

■ 75.0246, 75.9458,
97.0915

■ 18.5669, 7.7080,
86.8960

■ 88.2108, 93.1740,
99.7219

■ 18.4217, 7.5928,
86.8814

■ 93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



28.0409, 28.2284, 107.4802



37.3326, 28.2284, 89.8672



44.8491, 28.2284, 56.7552

Triad

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



37.3326, 28.2284, 89.8672



34.8162, 28.2284, 4.6542



13.3727, 28.2284, 34.2804

Complementary

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



37.3326, 28.2284, 89.8672



64.3786, 81.2330, 31.6893

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.



14.4285, 28.2284, 14.2057



37.3326, 28.2284, 89.8672



25.6550, 28.2284, 3.4451

Square

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



37.3326, 28.2284, 89.8672



43.1898, 28.2284, 10.9539



18.5092, 28.2284, 5.6938



15.2318, 28.2284, 66.1354

Rectangle

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



37.3326, 28.2284, 89.8672



47.1277, 28.2284, 35.9311



18.5092, 28.2284, 5.6938



13.4017, 28.2284, 26.0674

Sweetspot

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



37.3338, 28.2294, 89.8679



74.2607, 72.9363, 104.7719



49.2401, 59.5542, 95.2867



15.3356, 14.8906, 22.3158



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.



37.3338, 28.2294, 89.8679



34.2394, 22.9971, 97.2420



51.8401, 35.7077, 90.5468



15.9693, 16.1268, 20.8137



10.0301, 4.1450, 46.8094



0.9719, 0.4109, 4.1183

Inverse Universe

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



57.2560, 38.9867, 68.7971



58.8205, 36.3016, 69.8155



49.8724, 73.7547, 31.0104



17.0262, 16.6933, 19.8847



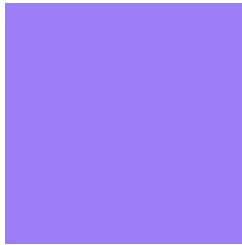
24.9911, 12.3399, 25.7251



2.2373, 1.1009, 2.4761

Previews

White Background



This preview shows how the XYZ color 37.3326, 28.2284, 89.8672 looks on a white background.

Color Contrast Check

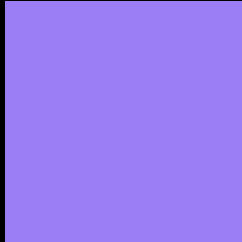
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3326, 28.2284, 89.8672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

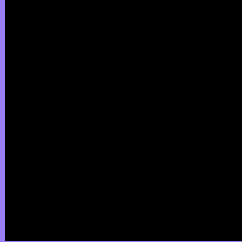
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3326, 28.2284, 89.8672

Background



This preview shows how black text looks on a background with the XYZ color 37.3326, 28.2284, 89.8672.



This preview shows how white text looks on a background with the XYZ color 37.3326, 28.2284,

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

37.3326, 28.2284, 89.8672

Protanopia

31.9885, 28.5451, 98.4315

Deuteranopia

29.4004, 28.5984, 86.4085



Tritanopia

26.5180, 28.2263, 35.9489

Trichromacy



Original Color

37.3326, 28.2284, 89.8672



Protanomaly

33.1468, 27.9378, 94.9123



Deuteranomaly

31.2998, 27.7759, 87.7160



Tritanomaly

29.6015, 27.6907, 51.9288

Monochromacy



Original Color

37.3326, 28.2284, 89.8672



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

30.6878, 28.7544, 48.7325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3326, 28.2284, 89.8672 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(155, 125, 245)` looks like.

```
.text, #text, p{  
    color:rgb(155, 125, 245)  
}
```

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(155, 125, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 125, 245) }
```

Border

The CSS property to change the border of an element to XYZ 37.3326, 28.2284, 89.8672 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(155, 125, 245) }
```


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

```
.border{ border-color:rgb(155, 125, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 125, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 125, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 125, 245);  
box-shadow:4px 4px 4px 4px rgb(155, 125,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3326, 28.2284, 89.8672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 125, 245) }
```

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

```
.background{ background-color: rgb(155,  
125, 245) }
```

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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