

Converting Colors

XYZ(22.2359, 16.9128, 34.7106)

Have a look what the booklet for
XYZ(22.2359, 16.9128, 34.7106)
contains.

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Color

**XYZ(22.2949, 16.9799,
34.9033)**

Conversions

Conversions Part 1

Format	Color
Hex	92609F
RGB	146, 96, 159
RGB Percent	57%, 38%, 62%
CMY	0.4274, 0.6235, 0.3765
CMYK	0.08, 0.40, 0.00, 0.38
HSL	288°, 25%, 50%
HSV	288°, 40%, 62%
XYZ	22.2949, 16.9799, 34.9033
YIQ	118.1320, 9.5770, 30.1930

Conversions

Conversions Part 2

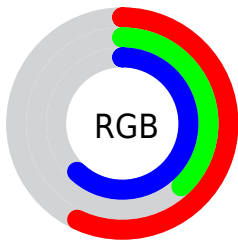
Format	Color
R _Y B	146, 96, 159
Decimal	9592991
CIE Lab	48.23, 31.49, -26.13
CIE LCh	48, 40.916, 320.314
Yxy	16.9799, 0.3006, 0.2289
Android (android.graphics.Color)	4287783071 (0xFF92609F)
YUV	118.1320, 20.1479, 24.4402
Hunter-Lab	41.2067, 24.4659, -21.3758

Details

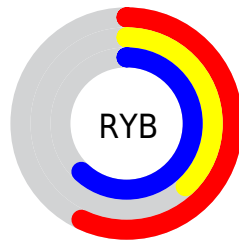
The XYZ color **22.2949, 16.9799, 34.9033** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.8167, 28.8925, 15.5467**, and the grayscale version is **17.1985, 18.0941, 19.7045**.

A 20% lighter version of the original color is **46.8149, 38.4524, 68.5730**, and **8.3269, 5.5551, 14.5433** is the 20% darker color. If you saturate the color by 10%, you get **20.4136, 14.0703, 34.4411**, and if you desaturate by 10%, it is **24.4875, 20.4863, 35.4648**.

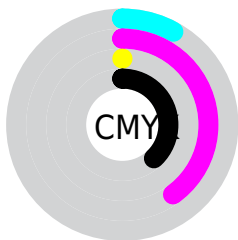
Distribution



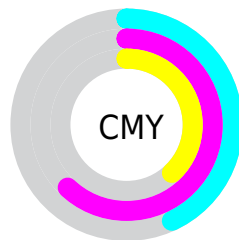
- Red (57%)
- Green (38%)
- Blue (62%)



- Red (57%)
- Yellow (38%)
- Blue (62%)



- Cyan (8%)
- Magenta (40%)
- Yellow (0%)
- Black (38%)



- Cyan (43%)
- Magenta (62%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2949, 16.9799, 34.9033 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 22.2949, 16.9799, 34.9033 by changing the saturation by 10% instead.

■ 22.2949, 16.9799,
34.9033

■ 22.2949, 16.9799,
34.9033

256.6860,
235.0565, 339.0326

■ 14.1916, 10.2202,
23.3054

■ 46.7082, 38.2912,
68.4858

■ 8.3366, 5.5452,
14.6118

■ 63.7488, 53.6116,
91.3075

■ 4.3647, 2.5705,
8.4038

■ 84.4992, 72.5543,
118.7076

■ 1.9105, 0.9119,
4.2629

■ 109.3248, 95.5037,
151.1046

■ 0.5829, 0.0000,
1.7707

138.5909,
122.8442, 188.9171

■ 0.0000, 0.0000,
0.4085

172.6629,

■ 0.0000, 0.0000,

154.9603, 232.5635

0.0000

211.9062,
192.2363, 282.4625

■ 22.2949, 16.9799,
34.9033

■ 22.2949, 16.9799,
34.9033

■ 20.4136, 14.0703,
34.4411

■ 24.4875, 20.4863,
35.4648

■ 18.8239, 11.7198,
34.0712

■ 27.0061, 24.6201,
36.1300

■ 17.5065, 9.8895,
33.7873

■ 29.8666, 29.4123,
36.9042

■ 16.4390, 8.5346,
33.5821

■ 33.0831, 34.8912,
37.7922

■ 15.5950, 7.6028,
33.4467

■ 36.6691, 41.0835,
38.7984

■ 14.9154, 6.9759,
33.3615

■ 40.6373, 48.0143,
39.9270

■ 14.8904, 6.9534,
33.3585

■ 44.9998, 55.7076,
41.1821

■ 49.7681, 64.1863,
42.5673

■ 54.9533, 73.4723,
44.0864

Harmonies

Analogous

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



18.7524, 16.9799, 45.1318



22.2949, 16.9799, 34.9033



24.2691, 16.9799, 22.1546

Triad

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



22.2949, 16.9799, 34.9033



17.3729, 16.9799, 4.7523



10.3159, 16.9799, 26.5534

Complementary

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



22.2949, 16.9799, 34.9033



20.8167, 28.8925, 15.5467

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.



10.0635, 16.9799, 15.2505



22.2949, 16.9799, 34.9033



13.7802, 16.9799, 5.1606

Square

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



22.2949, 16.9799, 34.9033



21.1526, 16.9799, 6.7776



11.2352, 16.9799, 8.2473



11.9875, 16.9799, 39.1655

Rectangle

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



22.2949, 16.9799, 34.9033



24.2512, 16.9799, 15.0568



11.2352, 16.9799, 8.2473



10.0734, 16.9799, 22.4050

Sweetspot

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



22.2955, 16.9806, 34.9037



52.0918, 50.3203, 65.7107



16.6208, 16.0672, 35.0265



11.6019, 11.1057, 14.7758



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.



22.2955, 16.9806, 34.9037



36.7796, 25.5339, 61.7335



23.3003, 17.6649, 27.4400



6.7700, 6.6854, 8.3403



11.7958, 5.5100, 26.3491



0.2420, 0.1145, 0.4726

Inverse Universe

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



21.2418, 16.8415, 16.5999



34.7941, 25.3559, 23.4356



20.2513, 28.4950, 20.3083



6.6863, 6.6674, 7.1990



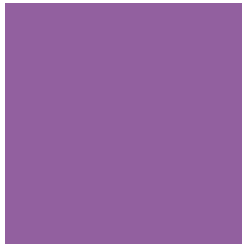
11.5207, 5.9128, 1.7270



0.2192, 0.1110, 0.1005

Previews

White Background



This preview shows how the XYZ color 22.2949, 16.9799, 34.9033 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 22.2949, 16.9799, 34.9033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

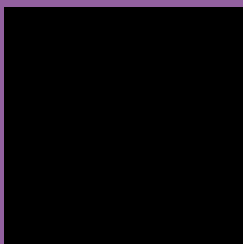
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2949, 16.9799, 34.9033

Background



This preview shows how black text looks on a background with the XYZ color 22.2949, 16.9799, 34.9033.



This preview shows how white text looks on a background with the XYZ color 22.2949, 16.9799,

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

22.2949, 16.9799, 34.9033

Protanopia

18.0640, 17.2071, 41.9044

Deuteranopia

17.4994, 17.0941, 33.8297



Tritanopia

19.0065, 17.0984, 18.2182

Trichromacy



Original Color

22.2949, 16.9799, 34.9033

Protanomaly

19.1356, 16.8533, 39.2902

Deuteranomaly

18.9512, 16.8716, 34.1560

Tritanomaly

19.9360, 16.8652, 23.3237

Monochromacy



Original Color

22.2949, 16.9799, 34.9033

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.7117, 17.4345, 24.5693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2949, 16.9799, 34.9033 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(146, 96, 159)` looks like.

```
.text, #text, p{  
    color:rgb(146, 96, 159)  
}
```

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(146, 96, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 96, 159) }
```

Border

The CSS property to change the border of an element to XYZ 22.2949, 16.9799, 34.9033 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(146, 96, 159) }
```


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

```
.border{ border-color:rgb(146, 96, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 96, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 96, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 96, 159); box-shadow:4px 4px 4px 4px rgb(146, 96, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2949, 16.9799, 34.9033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 96, 159) }
```

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

```
.background{ background-color: rgb(146, 96,  
159) }
```

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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