

Converting Colors

XYZ(28.4991, 22.4809, 46.7566)

Have a look what the booklet for
XYZ(28.4991, 22.4809, 46.7566)
contains.

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Color

**XYZ(28.5437, 22.5174,
46.5579)**

Conversions

Conversions Part 1

Format	Color
Hex	9F71B5
RGB	159, 113, 181
RGB Percent	62%, 44%, 71%
CMY	0.3765, 0.5568, 0.2902
CMYK	0.12, 0.38, 0.00, 0.29
HSL	281°, 31%, 58%
HSV	281°, 38%, 71%
XYZ	28.5437, 22.5174, 46.5579
YIQ	134.5060, 5.5880, 30.9000

Conversions

Conversions Part 2

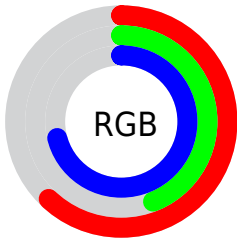
Format	Color
RYB	159, 113, 181
Decimal	10449333
CIELab	54.57, 30.64, -29.00
CIELCh	55, 42.190, 316.579
Yxy	22.5174, 0.2924, 0.2307
Android (android.graphics.Color)	4288639413 (0xFF9F71B5)
YUV	134.5060, 22.9215, 21.4812
Hunter-Lab	47.4525, 24.3297, -24.9555

Details

The XYZ color **28.5437, 22.5174, 46.5579** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.4969, 39.3914, 21.6725**, and the grayscale version is **22.7637, 23.9491, 26.0806**.

A 20% lighter version of the original color is **56.9466, 47.8339, 86.3522**, and **11.6735, 8.2895, 21.4068** is the 20% darker color. If you saturate the color by 10%, you get **25.5885, 18.2897, 45.8980**, and if you desaturate by 10%, it is **31.9582, 27.5807, 47.3556**.

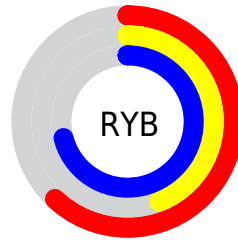
Distribution



Red (62%)

Green (44%)

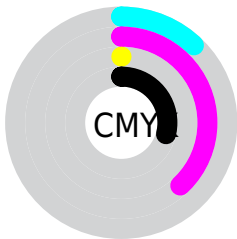
Blue (71%)



Red (62%)

Yellow (44%)

Blue (71%)

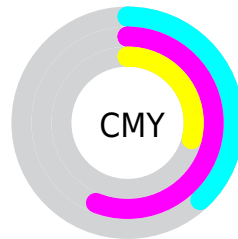


Cyan (12%)

Magenta (38%)

Yellow (0%)

Black (29%)



Cyan (38%)

Magenta (56%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5437, 22.5174, 46.5579 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 28.5437, 22.5174, 46.5579 by changing the saturation by 10% instead.

■ 28.5437, 22.5174,
46.5579

■ 28.5437, 22.5174,
46.5579

287.0891,
265.2365, 389.3896

■ 18.8785, 14.2376,
32.3345

■ 56.7539, 47.5997,
86.3964

■ 11.6860, 8.2861,
21.3502

■ 76.0296, 65.1709,
112.8485

■ 6.6009, 4.2785,
13.1865

■ 99.2395, 86.6081,
144.2139

■ 3.2579, 1.8306,
7.4248

■ 126.7489,
112.2955, 180.9112

■ 1.2916, 0.5061,
3.6467

158.9232,
142.6177, 223.3589

■ 0.1769, 0.0000,
1.4336

196.1278,

■ 0.0000, 0.0000,

177.9590, 271.9755

0.1677

238.7279,
218.7038, 327.1796

■ 0.0000, 0.0000,
0.0000

■ 28.5437, 22.5174,
46.5579

■ 28.5437, 22.5174,
46.5579

■ 25.5885, 18.2897,
45.8980

■ 31.9582, 27.5807,
47.3556

■ 23.0654, 14.8464,
45.3663

■ 35.8525, 33.5214,
48.2970

■ 20.9478, 12.1346,
44.9545

■ 40.2485, 40.3816,
49.3895

■ 19.2048, 10.0938,
44.6525


■ 45.1661, 48.2002,
50.6394


■ 17.8006, 8.6534,
44.4484


■ 50.6240, 57.0135,
52.0529


 16.6812, 7.7069,
44.3248

 56.6400, 66.8560,
53.6356

 16.4293, 7.5061,
44.2993

 63.2310, 77.7605,
55.3930

 69.5121, 87.9564,
57.0300

 71.1668, 88.8094,
57.1074

Harmonies

Analogous

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



24.0450, 22.5174, 57.9846



28.5437, 22.5174, 46.5579



31.2853, 22.5174, 30.9264

Triad

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



28.5437, 22.5174, 46.5579



23.5363, 22.5174, 7.1364



13.9514, 22.5174, 32.5387

Complementary

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



28.5437, 22.5174, 46.5579



29.4969, 39.3914, 21.6725

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.



13.8561, 22.5174, 19.0617



28.5437, 22.5174, 46.5579



18.9603, 22.5174, 7.2974

Square

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



28.5437, 22.5174, 46.5579



28.1253, 22.5174, 10.2671



15.5637, 22.5174, 10.8335



15.8461, 22.5174, 48.0988

Rectangle

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



28.5437, 22.5174, 46.5579



31.5237, 22.5174, 21.7101



15.5637, 22.5174, 10.8335



13.7184, 22.5174, 27.5574

Sweetspot

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



28.5445, 22.5183, 46.5584



69.1304, 67.6843, 87.7154



23.9087, 24.3624, 47.1587



14.7138, 14.2730, 18.9017



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.5445, 22.5183, 46.5584



46.7304, 34.0242, 82.3990



32.1860, 24.5246, 40.9030



8.5774, 8.5062, 10.6961



11.4008, 5.2131, 30.5423



0.4166, 0.1939, 0.9637

Inverse Universe

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



29.3351, 23.3842, 25.8900



48.6107, 35.9535, 39.1149



26.9939, 38.0227, 25.0969



8.6059, 8.5491, 9.4233



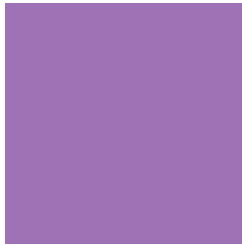
13.7019, 6.9983, 3.5900



0.4585, 0.2312, 0.2574

Previews

White Background



This preview shows how the XYZ color 28.5437, 22.5174, 46.5579 looks on a white background.

Color Contrast Check

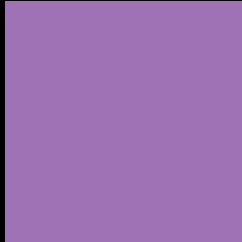
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5437, 22.5174, 46.5579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

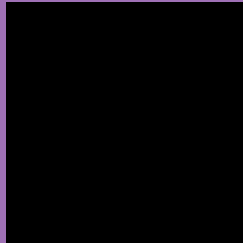
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5437, 22.5174, 46.5579

Background



This preview shows how black text looks on a background with the XYZ color 28.5437, 22.5174, 46.5579.



This preview shows how white text looks on a background with the XYZ color 28.5437, 22.5174,

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

28.5437, 22.5174, 46.5579

Protanopia

23.8945, 22.8468, 54.1894

Deuteranopia

23.2223, 22.6968, 45.2765



Tritanopia

24.2655, 22.5348, 25.2610

Trichromacy



Original Color

28.5437, 22.5174, 46.5579

Protanomaly

25.0207, 22.3521, 51.1398

Deuteranomaly

24.7354, 22.3261, 45.6535

Tritanomaly

25.6194, 22.3642, 31.8206

Monochromacy



Original Color

28.5437, 22.5174, 46.5579

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.7585, 23.3750, 32.9127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5437, 22.5174, 46.5579 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(159, 113, 181)` looks like.

```
.text, #text, p{  
    color:rgb(159, 113, 181)  
}
```

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(159, 113, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 113, 181) }
```

Border

The CSS property to change the border of an element to XYZ 28.5437, 22.5174, 46.5579 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(159, 113, 181) }
```


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

```
.border{ border-color:rgb(159, 113, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 113, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 113, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 113, 181);  
box-shadow:4px 4px 4px 4px rgb(159, 113,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5437, 22.5174, 46.5579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 113, 181) }
```

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

```
.background{ background-color: rgb(159,  
113, 181) }
```

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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