

Converting Colors

XYZ(28.7088, 22.3721, 46.3873)

Have a look what the booklet for
XYZ(28.7088, 22.3721, 46.3873)
contains.

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Color

**XYZ(28.8326, 22.5016,
46.5397)**

Conversions

Conversions Part 1

Format	Color
Hex	A170B5
RGB	161, 112, 181
RGB Percent	63%, 44%, 71%
CMY	0.3686, 0.5608, 0.2902
CMYK	0.11, 0.38, 0.00, 0.29
HSL	283°, 32%, 57%
HSV	283°, 38%, 71%
XYZ	28.8326, 22.5016, 46.5397
YIQ	134.5170, 7.0550, 31.8470

Conversions

Conversions Part 2

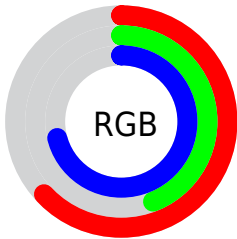
Format	Color
R_{YB}	161, 112, 181
Decimal	10580149
CIE _{Lab}	54.56, 31.84, -29.01
CIE _{LCh}	55, 43.073, 317.665
Yxy	22.5016, 0.2946, 0.2299
Android (android.graphics.Color)	4288770229 (0xFFA170B5)
YUV	134.5170, 22.9161, 23.2256
Hunter-Lab	47.4359, 25.4837, -24.9648

Details

The XYZ color **28.8326, 22.5016, 46.5397** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.9650, 39.1237, 21.3552**, and the grayscale version is **22.7673, 23.9530, 26.0848**.

A 20% lighter version of the original color is **57.3565, 47.7764, 86.3195**, and **11.8581, 8.3017, 21.3995** is the 20% darker color. If you saturate the color by 10%, you get **25.9976, 18.3680, 45.8916**, and if you desaturate by 10%, it is **32.1149, 27.4628, 47.3247**.

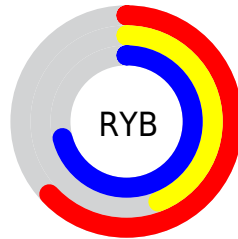
Distribution



Red (63%)

Green (44%)

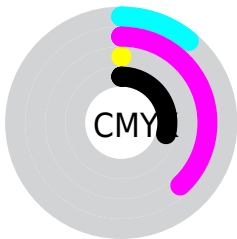
Blue (71%)



Red (63%)

Yellow (44%)

Blue (71%)

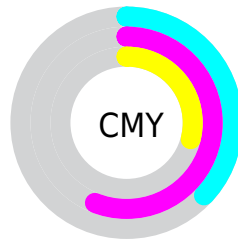


Cyan (11%)

Magenta (38%)

Yellow (0%)

Black (29%)



Cyan (37%)

Magenta (56%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8326, 22.5016, 46.5397 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 28.8326, 22.5016, 46.5397 by changing the saturation by 10% instead.

■ 28.8326, 22.5016,
46.5397

■ 28.8326, 22.5016,
46.5397

288.4328,
265.1547, 389.3146

■ 19.0979, 14.2259,
32.3202

■ 57.2104, 47.5736,
86.3689

■ 11.8454, 8.2780,
21.3393

■ 76.5842, 65.1388,
112.8157

■ 6.7100, 4.2733,
13.1786

■ 99.9017, 86.5693,
144.1753

■ 3.3261, 1.8276,
7.4195

■ 127.5283,
112.2494, 180.8662

■ 1.3285, 0.5043,
3.6434

159.8294,
142.5636, 223.3071

■ 0.2044, 0.0000,
1.4318

197.1703,

■ 0.0000, 0.0000,

177.8963, 271.9165

0.1664

239.9163,
218.6319, 327.1128

■ 0.0000, 0.0000,
0.0000

■ 28.8326, 22.5016,
46.5397

■ 28.8326, 22.5016,
46.5397

■ 25.9976, 18.3680,
45.8916

■ 32.1149, 27.4628,
47.3247

■ 23.5830, 15.0104,
45.3708

■ 35.8649, 33.2935,
48.2525

■ 21.5620, 12.3761,
44.9688

■ 40.1045, 40.0359,
49.3304

■ 19.9040, 10.4040,
44.6756

■ 44.8534, 47.7287,
50.5650

■ 18.5727, 9.0230,
44.4792

■ 50.1302, 56.4084,
51.9622

■ 17.5105, 8.1183,
44.3605

■ 55.9525, 66.1094,
53.5278

■ 17.3236, 7.9672,
44.3412

■ 62.3371, 76.8646,
55.2673

■ 68.7217, 87.5489,
56.9931

■ 70.1746, 88.2979,
57.0611

Harmonies

Analogous

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



24.2649, 22.5016, 58.6067



28.8326, 22.5016, 46.5397



31.5498, 22.5016, 30.4914

Triad

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



28.8326, 22.5016, 46.5397



23.3877, 22.5016, 6.8562



13.8442, 22.5016, 33.2770

Complementary

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



28.8326, 22.5016, 46.5397



28.9650, 39.1237, 21.3552

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.



13.6811, 22.5016, 19.3506



28.8326, 22.5016, 46.5397



18.7463, 22.5016, 7.1277

Square

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



28.8326, 22.5016, 46.5397



28.1095, 22.5016, 9.8580



15.3483, 22.5016, 10.8204



15.8322, 22.5016, 49.2143

Rectangle

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



28.8326, 22.5016, 46.5397



31.7167, 22.5016, 21.1904



15.3483, 22.5016, 10.8204



13.5859, 22.5016, 28.1383

Sweetspot

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



28.8334, 22.5025, 46.5402



69.4040, 67.8254, 87.7282



23.3700, 23.4749, 47.0158



14.7796, 14.3070, 18.9048



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.



28.8334, 22.5025, 46.5402



47.2021, 33.8138, 82.3335



31.8445, 24.2104, 39.6515



8.6053, 8.5206, 10.6974



12.0137, 5.5291, 30.5710



0.4324, 0.2020, 0.9644

Inverse Universe

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



29.0158, 23.0790, 24.7561



47.8461, 35.1588, 36.5960



26.9597, 37.9943, 25.5847



8.5943, 8.5444, 9.3621



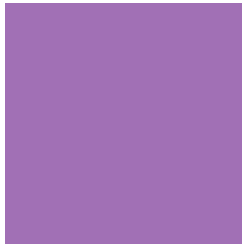
13.5981, 6.9568, 3.0434



0.4538, 0.2293, 0.2326

Previews

White Background



This preview shows how the XYZ color 28.8326, 22.5016, 46.5397 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 28.8326, 22.5016, 46.5397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

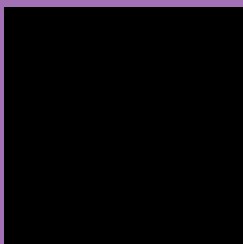
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8326, 22.5016, 46.5397

Background



This preview shows how black text looks on a background with the XYZ color 28.8326, 22.5016, 46.5397.



This preview shows how white text looks on a background with the XYZ color 28.8326, 22.5016,

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

28.8326, 22.5016, 46.5397

Protanopia

23.8945, 22.8468, 54.1894

Deuteranopia

23.2223, 22.6968, 45.2765



Tritanopia

24.4508, 22.4550, 24.8754

Trichromacy



Original Color

28.8326, 22.5016, 46.5397

Protanomaly

25.1704, 22.4292, 51.1468

Deuteranomaly

24.8925, 22.4071, 45.6609

Tritanomaly

25.8881, 22.3270, 31.7992

Monochromacy



Original Color

28.8326, 22.5016, 46.5397

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 28.8326, 22.5016, 46.5397 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, 112, 181)` looks like.

```
.text, #text, p{  
    color:rgb(161, 112, 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(161, 112, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 112, 181) }
```

Border

The CSS property to change the border of an element to XYZ 28.8326, 22.5016, 46.5397 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, 112, 181) }
```


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

```
.border{ border-color:rgb(161, 112, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 112, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 112, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 112, 181);  
box-shadow:4px 4px 4px 4px rgb(161, 112,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8326, 22.5016, 46.5397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 112, 181) }
```

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

```
.background{ background-color: rgb(161,  
112, 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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