

Converting Colors

XYZ(28.7105, 24.7724, 36.5702)

Have a look what the booklet for
XYZ(28.7105, 24.7724, 36.5702)
contains.

XYZ(28.6571, 24.7399, 36.5226)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.6571, 24.7399,
36.5226)**

Conversions

Conversions Part 1

Format	Color
Hex	A37CA0
RGB	163, 124, 160
RGB Percent	64%, 49%, 63%
CMY	0.3608, 0.5137, 0.3725
CMYK	0.00, 0.24, 0.02, 0.36
HSL	305°, 17%, 56%
HSV	305°, 24%, 64%
XYZ	28.6571, 24.7399, 36.5226
YIQ	139.7650, 11.6880, 19.4640

Conversions

Conversions Part 2

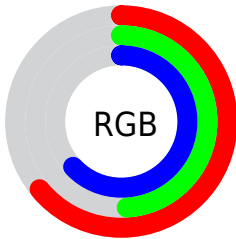
Format	Color
RYB	163, 124, 160
Decimal	10714272
CIELab	56.82, 21.39, -13.41
CIELCh	57, 25.246, 327.919
Yxy	24.7399, 0.3187, 0.2751
Android (android.graphics.Color)	4288904352 (0xFFA37CA0)
YUV	139.7650, 9.9759, 20.3771
Hunter-Lab	49.7392, 15.7986, -8.7181

Details

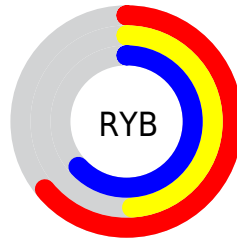
The XYZ color **28.6571, 24.7399, 36.5226** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.2412, 32.0126, 24.9288**, and the grayscale version is **24.7961, 26.0874, 28.4092**.

A 20% lighter version of the original color is **56.9013, 51.2560, 71.1844**, and **11.7784, 9.4944, 15.3992** is the 20% darker color. If you saturate the color by 10%, you get **26.6719, 20.9438, 35.3226**, and if you desaturate by 10%, it is **30.9826, 29.2140, 37.8421**.

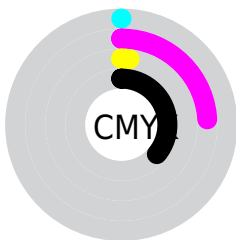
Distribution



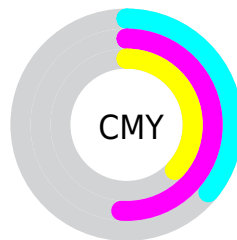
- Red (64%)
- Green (49%)
- Blue (63%)



- Red (64%)
- Yellow (49%)
- Blue (63%)



- Cyan (0%)
- Magenta (24%)
- Yellow (2%)
- Black (36%)



- Cyan (36%)
- Magenta (51%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6571, 24.7399, 36.5226 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 28.6571, 24.7399, 36.5226 by changing the saturation by 10% instead.

■ 28.6571, 24.7399,
36.5226

■ 28.6571, 24.7399,
36.5226

287.6171,
276.5401, 346.3452

■ 18.9646, 15.8834,
24.5452

■ 56.9332, 51.2350,
71.0160

■ 11.7485, 9.4417,
15.5226

■ 76.2474, 69.6423,
94.3691

■ 6.6437, 5.0304,
9.0363

■ 99.4996, 92.0020,
122.3512

■ 3.2846, 2.2651,
4.6677

127.0551,
118.6985, 155.3808

■ 1.3060, 0.7551,
1.9984

159.2792,
150.1161, 193.8765

■ 0.1877, 0.0000,
0.5543

196.5374,

■ 0.0000, 0.0000,

186.6394, 238.2567

0.0000

239.1949,
228.6526, 288.9402

■ 28.6571, 24.7399,
36.5226

■ 28.6571, 24.7399,
36.5226

■ 26.6719, 20.9438,
35.3226

■ 30.9826, 29.2140,
37.8421

■ 25.0081, 17.7892,
34.2348

■ 33.6615, 34.3936,
39.2846

■ 23.6486, 15.2412,
33.2539

■ 36.7091, 40.3088,
40.8555

■ 22.5735, 13.2604,
32.3732

■ 40.1392, 46.9870,
42.5594

■ 21.7607, 11.8026,
31.5854

■ 43.9645, 54.4541,
44.4005

■ 21.1850, 10.8171,
30.8820

■ 48.1976, 62.7349,
46.3832

■ 20.8160, 10.2432,
30.2528

■ 52.8502, 71.8529,
48.5112

■ 20.6467, 10.0035,
29.8915

■ 57.9338, 81.8310,
50.7884

■ 58.2427, 82.2579,
51.4797

Harmonies

Analogous

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



26.2725, 24.7399, 43.9982



28.6571, 24.7399, 36.5226



29.6527, 24.7399, 27.5320

Triad

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



28.6571, 24.7399, 36.5226



23.7212, 24.7399, 13.7432



18.8489, 24.7399, 35.2848

Complementary

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



28.6571, 24.7399, 36.5226



25.2412, 32.0126, 24.9288

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.



18.2879, 24.7399, 26.3517



28.6571, 24.7399, 36.5226



20.9567, 24.7399, 14.9792

Square

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



28.6571, 24.7399, 36.5226



26.6586, 24.7399, 15.3818



19.0272, 24.7399, 19.1959



20.6279, 24.7399, 43.1848

Rectangle

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



28.6571, 24.7399, 36.5226



29.3369, 24.7399, 22.2409



19.0272, 24.7399, 19.1959



18.5185, 24.7399, 32.2528

Sweetspot

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



28.6579, 24.7410, 36.5231



58.6758, 58.4811, 69.5019



22.5125, 21.5423, 37.6224



13.1176, 13.0171, 15.5773



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



28.6579, 24.7410, 36.5231



49.2539, 40.3460, 64.1767



27.1131, 24.1231, 28.3885



7.3407, 7.1927, 8.7806



16.0536, 7.7775, 23.2705



0.3438, 0.1660, 0.5230

Inverse Universe

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



28.6579, 24.7410, 36.5231



49.2539, 40.3460, 64.1767



26.6064, 32.5587, 32.1180



7.3407, 7.1927, 8.7806



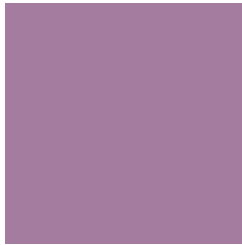
16.0536, 7.7775, 23.2705



0.3438, 0.1660, 0.5230

Previews

White Background



This preview shows how the XYZ color 28.6571, 24.7399, 36.5226 looks on a white background.

Color Contrast Check

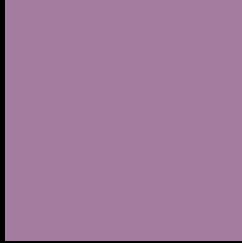
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6571, 24.7399, 36.5226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

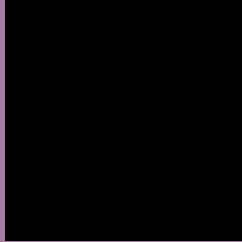
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.6571, 24.7399, 36.5226

Background



This preview shows how black text looks on a background with the XYZ color 28.6571, 24.7399, 36.5226.



This preview shows how white text looks on a background with the XYZ color 28.6571, 24.7399,

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

28.6571, 24.7399, 36.5226

Protanopia

24.7851, 24.8222, 40.5306

Deuteranopia

25.2065, 24.7326, 35.7931



Tritanopia

26.8038, 24.7469, 27.4087

Trichromacy



Original Color

28.6571, 24.7399, 36.5226

Protanomaly

25.8923, 24.6119, 38.9832

Deuteranomaly

26.4534, 24.7644, 36.1866

Tritanomaly

27.4756, 24.8311, 30.5389

Monochromacy



Original Color

28.6571, 24.7399, 36.5226

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.0043, 25.4527, 31.1460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6571, 24.7399, 36.5226 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(163, 124, 160)` looks like.

```
.text, #text, p{  
    color:rgb(163, 124, 160)  
}
```

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(163, 124, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 124, 160) }
```

Border

The CSS property to change the border of an element to XYZ 28.6571, 24.7399, 36.5226 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(163, 124, 160) }
```


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

```
.border{ border-color:rgb(163, 124, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 124, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 124, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 124, 160);  
box-shadow:4px 4px 4px 4px rgb(163, 124,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6571, 24.7399, 36.5226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 124, 160) }
```

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

```
.background{ background-color: rgb(163,  
124, 160) }
```

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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