

Converting Colors

XYZ(28.1572, 22.8750, 39.3851)

Have a look what the booklet for
XYZ(28.1572, 22.8750, 39.3851)
contains.

XYZ(28.2100, 22.8380, 39.4806)	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(28.2100, 22.8380,
39.4806)**

Conversions

Conversions Part 1

Format	Color
Hex	A373A7
RGB	163, 115, 167
RGB Percent	64%, 45%, 65%
CMY	0.3608, 0.5490, 0.3451
CMYK	0.02, 0.31, 0.00, 0.35
HSL	295°, 23%, 55%
HSV	295°, 31%, 65%
XYZ	28.2100, 22.8380, 39.4806
YIQ	135.2800, 11.9160, 26.3480

Conversions

Conversions Part 2

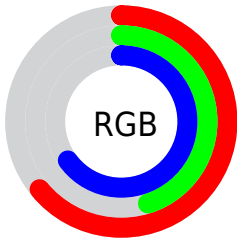
Format	Color
RYB	163, 115, 167
Decimal	10711975
CIELab	54.91, 27.90, -20.37
CIELCh	55, 34.541, 323.868
Yxy	22.8380, 0.3116, 0.2523
Android (android.graphics.Color)	4288902055 (0xFFA373A7)
YUV	135.2800, 15.6380, 24.3104
Hunter-Lab	47.7891, 21.7379, -15.5296

Details

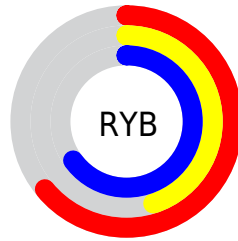
The XYZ color **28.2100, 22.8380, 39.4806** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.5218, 32.7978, 21.2589**, and the grayscale version is **23.0743, 24.2760, 26.4365**.

A 20% lighter version of the original color is **56.4009, 48.3393, 75.4650**, and **11.4731, 8.4492, 17.2458** is the 20% darker color. If you saturate the color by 10%, you get **26.2140, 19.2341, 38.8905**, and if you desaturate by 10%, it is **30.5551, 27.1353, 40.1868**.

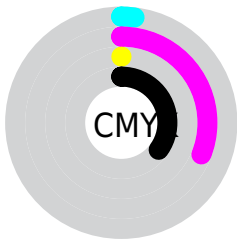
Distribution



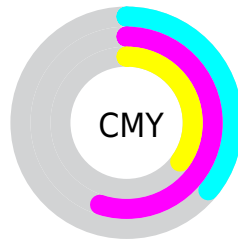
- Red (64%)
- Green (45%)
- Blue (65%)



- Red (64%)
- Yellow (45%)
- Blue (65%)



- Cyan (2%)
- Magenta (31%)
- Yellow (0%)
- Black (35%)



- Cyan (36%)
- Magenta (55%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2100, 22.8380, 39.4806 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 28.2100, 22.8380, 39.4806 by changing the saturation by 10% instead.

■ 28.2100, 22.8380,
39.4806

■ 28.2100, 22.8380,
39.4806

285.5309,
266.8918, 359.4163

■ 18.6253, 14.4739,
26.8231

■ 56.2258, 48.1272,
75.6004

■ 11.5022, 8.4510,
17.2092

■ 75.3877, 65.8211,
99.8997

■ 6.4755, 4.3849,
10.2202

■ 98.4726, 87.3937,
128.9167

■ 3.1797, 1.8911,
5.4377

■ 125.8460,
113.2295, 163.0700

■ 1.2495, 0.5430,
2.4431

157.8731,
143.7128, 202.7781

■ 0.1449, 0.0000,
0.8098

194.9194,

■ 0.0000, 0.0000,

179.2280, 248.4594

0.0000

237.3503,
220.1596, 300.5327

■ 28.2100, 22.8380,
39.4806

■ 28.2100, 22.8380,
39.4806

■ 26.2140, 19.2341,
38.8905

■ 30.5551, 27.1353,
40.1868

■ 24.5463, 16.2832,
38.4088

■ 33.2644, 32.1574,
41.0134

■ 23.1871, 13.9455,
38.0293

■ 36.3547, 37.9375,
41.9662

■ 22.1139, 12.1758,
37.7442

■ 39.8411, 44.5059,
43.0502

■ 21.3007, 10.9222,
37.5451

■ 43.7380, 51.8911,
44.2703

■ 20.7171, 10.1238,
37.4218

■ 48.0588, 60.1202,
45.6310

■ 20.3310, 9.6752,
37.3555

■ 52.8166, 69.2193,
47.1365

■ 58.0238, 79.2130,
48.7911

■ 60.3163, 83.3735,
49.4733

Harmonies

Analogous

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



24.8230, 22.8380, 49.5508



28.2100, 22.8380, 39.4806



29.8774, 22.8380, 27.1869

Triad

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



28.2100, 22.8380, 39.4806



22.5025, 22.8380, 9.2458



15.6482, 22.8380, 34.4074

Complementary

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



28.2100, 22.8380, 39.4806



24.5218, 32.7978, 21.2589

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.



15.1808, 22.8380, 22.6824



28.2100, 22.8380, 39.4806



18.8630, 22.8380, 10.1430

Square

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



28.2100, 22.8380, 39.4806



26.3421, 22.8380, 11.4325



16.2888, 22.8380, 14.3939



17.6500, 22.8380, 46.0703

Rectangle

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



28.2100, 22.8380, 39.4806



29.6646, 22.8380, 20.1492



16.2888, 22.8380, 14.3939



15.3170, 22.8380, 30.2685

Sweetspot

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



28.2107, 22.8390, 39.4811



60.6109, 59.5243, 73.7701



20.6828, 19.7091, 39.2737



13.3973, 13.0103, 16.4573



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



28.2107, 22.8390, 39.4811



48.1181, 36.5482, 69.9937



27.2044, 22.5326, 29.8392



7.7841, 7.6368, 9.4821



15.5759, 7.4131, 28.5854



0.3951, 0.1887, 0.6962

Inverse Universe

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



25.3977, 21.8099, 20.3250



42.3600, 34.4525, 30.2936



25.3812, 33.0795, 28.5899



7.5537, 7.5513, 7.9668



12.2573, 6.3116, 0.9004



0.3053, 0.1564, 0.0592

Previews

White Background



This preview shows how the XYZ color 28.2100, 22.8380, 39.4806 looks on a white background.

Color Contrast Check

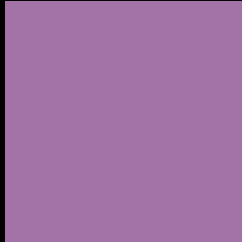
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2100, 22.8380, 39.4806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

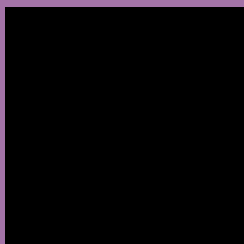
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2100, 22.8380, 39.4806

Background



This preview shows how black text looks on a background with the XYZ color 28.2100, 22.8380, 39.4806.



This preview shows how white text looks on a background with the XYZ color 28.2100, 22.8380,

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

28.2100, 22.8380, 39.4806

Protanopia

23.4897, 23.0312, 45.3269

Deuteranopia

23.4532, 22.9700, 38.3195



Tritanopia

25.1568, 22.8269, 24.5528

Trichromacy



Original Color

28.2100, 22.8380, 39.4806

Protanomaly

24.8051, 22.7916, 43.1362

Deuteranomaly

24.9837, 22.7946, 38.6803

Tritanomaly

26.1281, 22.6809, 29.3863

Monochromacy



Original Color

28.2100, 22.8380, 39.4806

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.6627, 23.5647, 30.8523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2100, 22.8380, 39.4806 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, 115, 167)` looks like.

```
.text, #text, p{  
    color:rgb(163, 115, 167)  
}
```

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, 115, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 115, 167) }
```

Border

The CSS property to change the border of an element to XYZ 28.2100, 22.8380, 39.4806 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, 115, 167) }
```


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

```
.border{ border-color:rgb(163, 115, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 115, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 115, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 115, 167);  
box-shadow:4px 4px 4px 4px rgb(163, 115,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2100, 22.8380, 39.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 115, 167) }
```

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

```
.background{ background-color: rgb(163,  
115, 167) }
```

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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