

Converting Colors

XYZ(28.7284, 27.7378, 39.9413)

Have a look what the booklet for
XYZ(28.7284, 27.7378, 39.9413)
contains.

XYZ(28.6932, 27.7024, 39.9112)	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(28.6932, 27.7024,
39.9112)**

Conversions

Conversions Part 1

Format	Color
Hex	968BA6
RGB	150, 139, 166
RGB Percent	59%, 55%, 65%
CMY	0.4118, 0.4549, 0.3490
CMYK	0.10, 0.16, 0.00, 0.35
HSL	264°, 13%, 60%
HSV	264°, 16%, 65%
XYZ	28.6932, 27.7024, 39.9112
YIQ	145.3670, -2.1110, 10.7290

Conversions

Conversions Part 2

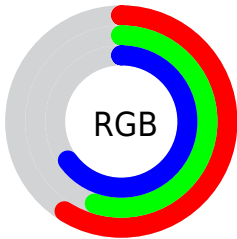
Format	Color
R_{YB}	150, 139, 166
Decimal	9866150
CIE Lab	59.62, 9.47, -12.76
CIE LCh	60, 15.888, 306.596
Yxy	27.7024, 0.2979, 0.2876
Android (android.graphics.Color)	4288056230 (0xFF968BA6)
YUV	145.3670, 10.1721, 4.0631
Hunter-Lab	52.6331, 5.2024, -8.1159

Details

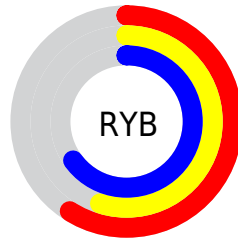
The XYZ color **28.6932, 27.7024, 39.9112** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **31.8150, 36.1058, 29.7197**, and the grayscale version is **27.0241, 28.4314, 30.9618**.

A 20% lighter version of the original color is **56.8026, 55.7571, 76.1750**, and **11.7552, 11.0123, 17.4256** is the 20% darker color. If you saturate the color by 10%, you get **24.7350, 22.3612, 39.0893**, and if you desaturate by 10%, it is **33.1701, 33.8543, 40.8631**.

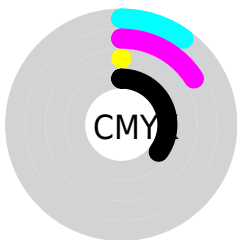
Distribution



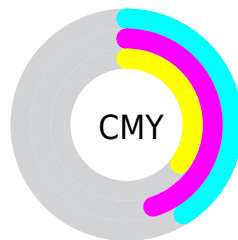
- Red (59%)
- Green (55%)
- Blue (65%)



- Red (59%)
- Yellow (55%)
- Blue (65%)



- Cyan (10%)
- Magenta (16%)
- Yellow (0%)
- Black (35%)



- Cyan (41%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6932, 27.7024, 39.9112 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 28.6932, 27.7024, 39.9112 by changing the saturation by 10% instead.

■ 28.6932, 27.7024,
39.9112

■ 28.6932, 27.7024,
39.9112

287.7850,
291.0421, 361.2901

■ 18.9920, 18.1014,
27.1561

■ 56.9902, 56.0090,
76.2639

■ 11.7684, 11.0228,
17.4570

■ 76.3167, 75.4833,
100.6985

■ 6.6573, 6.0822,
10.3955

■ 99.5824, 99.0177,
129.8634

■ 3.2931, 2.8951,
5.5529

127.1525,
126.9963, 164.1770

■ 1.3106, 1.0772,
2.5108

159.3925,
159.8037, 204.0579

■ 0.1911, 0.0000,
0.8459

196.6676,

■ 0.0000, 0.0000,

197.8242, 249.9248

0.0000

239.3434,
241.4422, 302.1960

■ 28.6932, 27.7024,
39.9112

■ 28.6932, 27.7024,
39.9112

■ 24.7350, 22.3612,
39.0893

■ 33.1701, 33.8543,
40.8631

■ 21.2728, 17.7924,
38.3899

■ 38.1821, 40.8458,
41.9485

■ 18.2859, 13.9599,
37.8076

■ 43.7479, 48.7091,
43.1729

■ 15.7512, 10.8232,
37.3357

■ 49.8848, 57.4732,
44.5410

■ 13.6432, 8.3377,
36.9671

■ 56.6089, 67.1659,
46.0575

■ 11.9338, 6.4537,
36.6935

■ 63.9360, 77.8138,
47.7266

■ 10.5906, 5.1136,
36.5057

■ 71.8159, 89.3124,
49.5307

■ 9.5709, 4.2388,
36.3906

■ 74.8614, 90.8824,
49.6733

■ 9.2408, 3.9687,
36.3558

■ 78.0847, 92.5441,
49.8241

Harmonies

Analogous

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



26.7751, 27.7024, 42.4974



28.6932, 27.7024, 39.9112



30.0244, 27.7024, 34.7589

Triad

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



28.6932, 27.7024, 39.9112



27.8896, 27.7024, 21.1326



22.6875, 27.7024, 31.4477

Complementary

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



28.6932, 27.7024, 39.9112



31.8150, 36.1058, 29.7197

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.



22.9523, 27.7024, 25.9916



28.6932, 27.7024, 39.9112



25.8905, 27.7024, 20.4813

Square

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



28.6932, 27.7024, 39.9112



29.5443, 27.7024, 24.0550



24.1008, 27.7024, 22.1477



23.3583, 27.7024, 37.2267

Rectangle

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



28.6932, 27.7024, 39.9112



30.3641, 27.7024, 30.8227



24.1008, 27.7024, 22.1477



22.6706, 27.7024, 29.5132

Sweetspot

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



28.6940, 27.7036, 39.9118



61.2138, 62.8470, 74.3796



29.2860, 31.7524, 40.6621



13.5671, 13.8817, 16.6165



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.



28.6940, 27.7036, 39.9118



49.0131, 46.1216, 71.7944



31.2821, 29.0378, 40.0329



7.4104, 7.4442, 9.4646



7.2160, 3.1034, 28.1942



0.2339, 0.1056, 0.6887

Inverse Universe

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



30.8758, 28.9399, 34.9703



53.8807, 48.8819, 60.6833



29.4013, 34.8615, 29.6067



7.7106, 7.6141, 8.7933



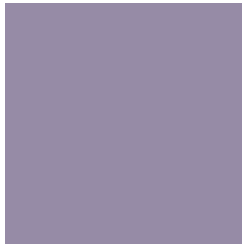
13.9416, 6.9854, 9.7702



0.3636, 0.1797, 0.3662

Previews

White Background



This preview shows how the XYZ color 28.6932, 27.7024, 39.9112 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 28.6932, 27.7024, 39.9112 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

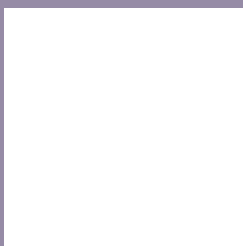
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6932, 27.7024, 39.9112

Background



This preview shows how black text looks on a background with the XYZ color 28.6932, 27.7024, 39.9112.



This preview shows how white text looks on a background with the XYZ color 28.6932, 27.7024,

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

28.6932, 27.7024, 39.9112

Protanopia

27.3883, 27.6621, 40.9416

Deuteranopia

28.2936, 27.7124, 39.9342



Tritanopia

27.4051, 27.6127, 33.5911

Trichromacy



Original Color

28.6932, 27.7024, 39.9112

Protanomaly

27.8276, 27.6794, 40.4352

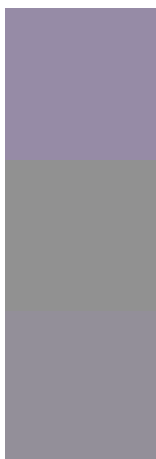
Deuteranomaly

28.4738, 27.8052, 39.9426

Tritanomaly

27.8583, 27.5800, 35.7535

Monochromacy



Original Color

28.6932, 27.7024, 39.9112

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.6049, 28.1479, 34.1151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6932, 27.7024, 39.9112 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(150, 139, 166)` looks like.

```
.text, #text, p{  
    color:rgb(150, 139, 166)  
}
```

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(150, 139, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 139, 166) }
```

Border

The CSS property to change the border of an element to XYZ 28.6932, 27.7024, 39.9112 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(150, 139, 166) }
```


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

```
.border{ border-color:rgb(150, 139, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 139, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 139, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 139, 166);  
box-shadow:4px 4px 4px 4px rgb(150, 139,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6932, 27.7024, 39.9112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 139, 166) }
```

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

```
.background{ background-color: rgb(150,  
139, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor