

Converting Colors

XYZ(28.6870, 23.9967, 54.9640)

Have a look what the booklet for
XYZ(28.6870, 23.9967, 54.9640)
contains.

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Color

**XYZ(28.6639, 23.9702,
54.7457)**

Conversions

Conversions Part 1

Format	Color
Hex	927AC3
RGB	146, 122, 195
RGB Percent	57%, 48%, 76%
CMY	0.4274, 0.5216, 0.2353
CMYK	0.25, 0.37, 0.00, 0.24
HSL	260°, 38%, 62%
HSV	260°, 37%, 76%
XYZ	28.6639, 23.9702, 54.7457
YIQ	137.4980, -9.1290, 27.7910

Conversions

Conversions Part 2

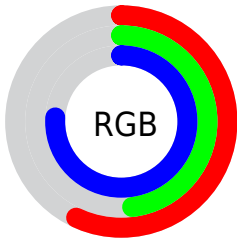
Format	Color
RYB	146, 122, 195
Decimal	9599683
CIELab	56.06, 24.71, -34.80
CIELCh	56, 42.677, 305.376
Yxy	23.9702, 0.2669, 0.2232
Android (android.graphics.Color)	4287789763 (0xFF927AC3)
YUV	137.4980, 28.3485, 7.4563
Hunter-Lab	48.9594, 18.8262, -32.0257

Details

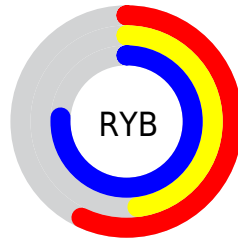
The XYZ color **28.6639, 23.9702, 54.7457** is a light color, and the websafe version is hex **996699**. A complement of this color would be **39.8232, 49.0938, 25.7905**, and the grayscale version is **23.8655, 25.1083, 27.3430**.

A 20% lighter version of the original color is **56.9881, 50.1057, 98.7632**, and **11.8064, 9.0679, 26.3273** is the 20% darker color. If you saturate the color by 10%, you get **24.3105, 18.5215, 53.9239**, and if you desaturate by 10%, it is **33.7658, 30.5189, 55.7412**.

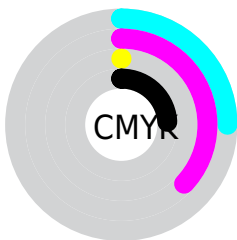
Distribution



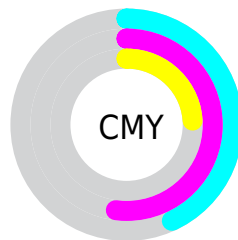
- Red (57%)
- Green (48%)
- Blue (76%)



- Red (57%)
- Yellow (48%)
- Blue (76%)



- Cyan (25%)
- Magenta (37%)
- Yellow (0%)
- Black (24%)



- Cyan (43%)
- Magenta (52%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6639, 23.9702, 54.7457 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 28.6639, 23.9702, 54.7457 by changing the saturation by 10% instead.

■ 28.6639, 23.9702,
54.7457

■ 28.6639, 23.9702,
54.7457

287.6487,
272.6698, 422.2020

■ 18.9697, 15.3115,
38.8009

■ 56.9439, 49.9816,
98.6357

■ 11.7523, 9.0383,
26.2983

■ 76.2605, 68.1030,
127.4180

■ 6.6462, 4.7662,
16.8191

■ 99.5152, 90.1476,
161.3165

■ 3.2862, 2.1107,
9.9450

127.0734,
116.4995, 200.7499

■ 1.3069, 0.6707,
5.2574

159.3005,
147.5434, 246.1365

■ 0.1883, 0.0000,
2.3377

196.5619,

■ 0.0000, 0.0000,

183.6634, 297.8951

0.7522

239.2228,
225.2441, 356.4441

■ 0.0000, 0.0000,
0.0000

■ 28.6639, 23.9702,
54.7457

■ 28.6639, 23.9702,
54.7457

■ 24.3105, 18.5215,
53.9239

■ 33.7658, 30.5189,
55.7412

■ 20.6652, 14.1076,
53.2640

■ 39.6487, 38.2221,
56.9180

■ 17.6875, 10.6605,
52.7556

■ 46.3461, 47.1340,
58.2852

■ 15.3310, 8.1027,
52.3861

■ 53.8888, 57.3048,
59.8508

■ 13.5430, 6.3442,
52.1409

■ 62.3058, 68.7813,
61.6224

■ 12.2516, 5.2586,
51.9994

■ 71.6250, 81.6083,
63.6071

■ 11.9719, 5.0338,
51.9708

■ 80.7448, 93.5726,
65.4358

■ 85.2914, 95.9165,
65.6485

■ 86.8504, 96.7202,
65.7215

Harmonies

Analogous

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



23.6742, 23.9702, 63.0792



28.6639, 23.9702, 54.7457



32.4310, 23.9702, 38.9867

Triad

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



28.6639, 23.9702, 54.7457



26.9243, 23.9702, 8.4896



14.6537, 23.9702, 28.7012

Complementary

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



28.6639, 23.9702, 54.7457



39.8232, 49.0938, 25.7905

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.



15.2676, 23.9702, 16.4202



28.6639, 23.9702, 54.7457



21.9144, 23.9702, 7.4356

Square

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



28.6639, 23.9702, 54.7457



31.3303, 23.9702, 13.4197



17.7670, 23.9702, 9.7381



15.9514, 23.9702, 44.9724

Rectangle

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



28.6639, 23.9702, 54.7457



33.4843, 23.9702, 28.3285



17.7670, 23.9702, 9.7381



14.6457, 23.9702, 23.9906

Sweetspot

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



28.6648, 23.9711, 54.7463



78.3504, 78.1950, 103.4334



32.6075, 37.5391, 57.1573



16.7920, 16.6366, 22.5761



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.6648, 23.9711, 54.7463



44.8016, 34.7310, 96.8122



36.0115, 27.7586, 55.0901



9.8333, 9.9052, 12.6785



7.8608, 3.3128, 33.7817



0.4133, 0.1811, 1.4631

Inverse Universe

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



36.8166, 28.4623, 42.0821



61.7974, 44.1122, 69.6156



33.0822, 45.6187, 25.4750



10.3519, 10.1894, 11.9437



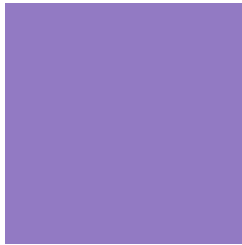
17.3254, 8.6199, 14.8916



0.7793, 0.3847, 0.8050

Previews

White Background



This preview shows how the XYZ color 28.6639, 23.9702, 54.7457 looks on a white background.

Color Contrast Check

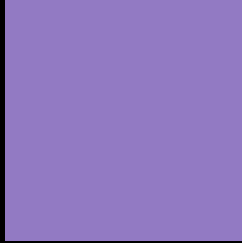
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6639, 23.9702, 54.7457 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 28.6639, 23.9702, 54.7457

Background



This preview shows how black text looks on a background with the XYZ color 28.6639, 23.9702, 54.7457.



This preview shows how white text looks on a background with the XYZ color 28.6639, 23.9702,

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

28.6639, 23.9702, 54.7457

Protanopia

25.4612, 24.1293, 59.8154

Deuteranopia

24.6953, 24.0701, 53.7965



Tritanopia

23.4988, 23.9925, 29.3791

Trichromacy



Original Color

28.6639, 23.9702, 54.7457

Protanomaly

26.3129, 23.8194, 57.8544

Deuteranomaly

25.9000, 23.8806, 54.2833

Tritanomaly

25.1871, 23.8846, 37.4651

Monochromacy



Original Color

28.6639, 23.9702, 54.7457

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.4938, 24.6685, 36.2187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6639, 23.9702, 54.7457 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(146, 122, 195)` looks like.

```
.text, #text, p{  
    color:rgb(146, 122, 195)  
}
```

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(146, 122, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 122, 195) }
```

Border

The CSS property to change the border of an element to XYZ 28.6639, 23.9702, 54.7457 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(146, 122, 195) }
```


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

```
.border{ border-color:rgb(146, 122, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 122, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 122, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 122, 195);  
box-shadow:4px 4px 4px 4px rgb(146, 122,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6639, 23.9702, 54.7457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 122, 195) }
```

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

```
.background{ background-color: rgb(146,  
122, 195) }
```

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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