

Converting Colors

XYZ(24.7826, 17.8161, 39.1958)

Have a look what the booklet for
XYZ(24.7826, 17.8161, 39.1958)
contains.

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Color

**XYZ(24.6925, 17.7238,
39.1654)**

Conversions

Conversions Part 1

Format	Color
Hex	9C5DA8
RGB	156, 93, 168
RGB Percent	61%, 36%, 66%
CMY	0.3882, 0.6353, 0.3412
CMYK	0.07, 0.45, 0.00, 0.34
HSL	290°, 30%, 51%
HSV	290°, 45%, 66%
XYZ	24.6925, 17.7238, 39.1654
YIQ	120.3870, 13.4730, 36.6810

Conversions

Conversions Part 2

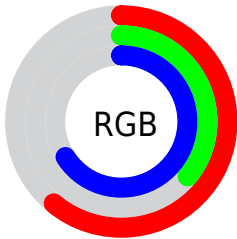
Format	Color
R_{YB}	156, 93, 168
Decimal	10247592
CIE _{Lab}	49.16, 38.18, -29.89
CIE _{LCh}	49, 48.491, 321.942
Yxy	17.7238, 0.3027, 0.2173
Android (android.graphics.Color)	4288437672 (0xFF9C5DA8)
YUV	120.3870, 23.4732, 31.2326
Hunter-Lab	42.0996, 31.0204, -25.6879

Details

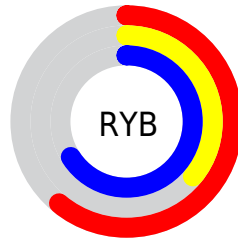
The XYZ color **24.6925, 17.7238, 39.1654** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.8048, 31.7993, 15.3455**, and the grayscale version is **17.9012, 18.8334, 20.5096**.

A 20% lighter version of the original color is **50.5961, 39.5756, 74.7842**, and **9.6466, 5.9459, 17.1622** is the 20% darker color. If you saturate the color by 10%, you get **22.8625, 14.8270, 38.7030**, and if you desaturate by 10%, it is **26.8592, 21.2759, 39.7371**.

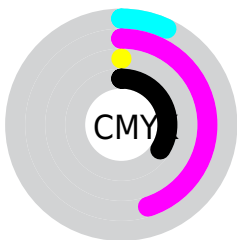
Distribution



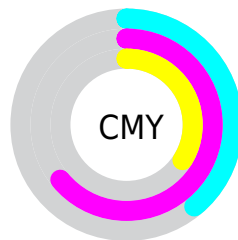
- Red (61%)
- Green (36%)
- Blue (66%)



- Red (61%)
- Yellow (36%)
- Blue (66%)



- Cyan (7%)
- Magenta (45%)
- Yellow (0%)
- Black (34%)





- Cyan (39%)
- Magenta (64%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6925, 17.7238, 39.1654 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 24.6925, 17.7238, 39.1654 by changing the saturation by 10% instead.


 24.6925, 17.7238,
39.1654


 24.6925, 17.7238,
39.1654


268.6791,
239.3096, 358.0401


 15.9756, 10.7519,
26.5796


 50.6044, 39.5661,
75.1140

 9.5976, 5.9002,
17.0281


 68.5302, 55.2053,
99.3140

 5.1932, 2.7845,
10.0924


 90.2563, 74.5024,
128.2224

 2.3970, 1.0203,
5.3538

 116.1480, 97.8417,
162.2578

 0.8436, 0.0000,
2.3940

146.5708,
125.6077, 201.8387

 0.0000, 0.0000,
0.7832

181.8900,

 0.0000, 0.0000,

158.1847, 247.3837

0.0000

222.4710,
195.9573, 299.3113

■ 24.6925, 17.7238,
39.1654

■ 24.6925, 17.7238,
39.1654

■ 22.8625, 14.8270,
38.7030

■ 26.8592, 21.2759,
39.7371

■ 21.3457, 12.5402,
38.3415

■ 29.3803, 25.5201,
40.4234

■ 20.1188, 10.8163,
38.0734

■ 32.2744, 30.4931,
41.2308


■ 19.1540, 9.5997,
37.8895


■ 35.5584, 36.2282,
42.1647


■ 18.4175, 8.8231,
37.7784


■ 39.2479, 42.7570,
43.2304

 18.0729, 8.5004,
37.7343

 43.3578, 50.1089,
44.4329

 47.9022, 58.3121,
45.7767

 52.8945, 67.3933,
47.2664

 58.3476, 77.3781,
48.9063

Harmonies

Analogous

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



20.3212, 17.7238, 52.9955



24.6925, 17.7238, 39.1654



27.0462, 17.7238, 23.0173

Triad

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



24.6925, 17.7238, 39.1654



18.0989, 17.7238, 3.6237



9.9795, 17.7238, 30.2227

Complementary

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



24.6925, 17.7238, 39.1654



21.8048, 31.7993, 15.3455

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.



9.5994, 17.7238, 16.0030



24.6925, 17.7238, 39.1654



13.7914, 17.7238, 4.1609

Square

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



24.6925, 17.7238, 39.1654



22.8176, 17.7238, 5.5517



10.8673, 17.7238, 7.6289



12.0192, 17.7238, 46.4187

Rectangle

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



24.6925, 17.7238, 39.1654



26.9057, 17.7238, 14.5756



10.8673, 17.7238, 7.6289



9.6701, 17.7238, 24.9444

Sweetspot

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



24.6931, 17.7246, 39.1658



59.3586, 56.7083, 75.0424



16.6855, 15.3605, 39.1315



12.6763, 11.9069, 16.2823



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.



24.6931, 17.7246, 39.1658



41.3812, 26.7419, 70.2058



25.0213, 18.1375, 28.1694



7.7223, 7.6050, 9.4792



13.6837, 6.4376, 28.4969



0.3635, 0.1724, 0.6948

Inverse Universe

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



22.6132, 17.1743, 15.4886



37.3252, 25.7422, 20.7154



21.7875, 31.6409, 22.0994



7.5783, 7.5612, 8.0963



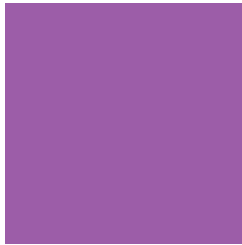
12.3561, 6.3511, 1.4206



0.3146, 0.1601, 0.1081

Previews

White Background



This preview shows how the XYZ color 24.6925, 17.7238, 39.1654 looks on a white 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

Black Background



This preview shows how the XYZ color 24.6925, 17.7238, 39.1654 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 24.6925, 17.7238, 39.1654

Background



This preview shows how black text looks on a background with the XYZ color 24.6925, 17.7238, 39.1654.



This preview shows how white text looks on a background with the XYZ color 24.6925, 17.7238,

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

24.6925, 17.7238, 39.1654

Protanopia

19.2101, 17.9803, 48.9124

Deuteranopia

18.3131, 17.9378, 37.6191



Tritanopia

20.2450, 17.5913, 17.9512

Trichromacy



Original Color

24.6925, 17.7238, 39.1654

Protanomaly

20.3338, 17.3475, 44.9245

Deuteranomaly

20.0393, 17.5067, 37.9203

Tritanomaly

21.6498, 17.5801, 24.4425

Monochromacy



Original Color

24.6925, 17.7238, 39.1654

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.7642, 17.9445, 26.0889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6925, 17.7238, 39.1654 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(156, 93, 168)` looks like.

```
.text, #text, p{  
    color:rgb(156, 93, 168)  
}
```

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(156, 93, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 93, 168) }
```

Border

The CSS property to change the border of an element to XYZ 24.6925, 17.7238, 39.1654 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(156, 93, 168) }
```


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

```
.border{ border-color:rgb(156, 93, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 93, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 93, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 93, 168);  
box-shadow:4px 4px 4px 4px rgb(156, 93,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6925, 17.7238, 39.1654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 93, 168) }
```

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

```
.background{ background-color: rgb(156, 93,  
168) }
```

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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