

Converting Colors

XYZ(25.1879, 12.9388, 58.9164)

Have a look what the booklet for
XYZ(25.1879, 12.9388, 58.9164)
contains.

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Color

**XYZ(25.1738, 12.9337,
58.9273)**

Conversions

Conversions Part 1

Format	Color
Hex	9A2ACD
RGB	154, 42, 205
RGB Percent	60%, 16%, 80%
CMY	0.3961, 0.8353, 0.1961
CMYK	0.25, 0.80, 0.00, 0.20
HSL	281°, 66%, 48%
HSV	281°, 80%, 80%
XYZ	25.1738, 12.9337, 58.9273
YIQ	94.0700, 14.4290, 74.4370

Conversions

Conversions Part 2

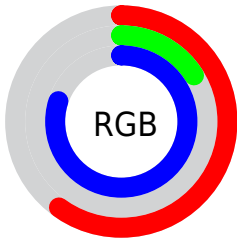
Format	Color
R_{YB}	154, 42, 205
Decimal	10103501
CIE _{Lab}	42.66, 68.24, -61.84
CIE _{LCh}	43, 92.094, 317.816
Yxy	12.9337, 0.2594, 0.1333
Android (android.graphics.Color)	4288293581 (0xFF9A2ACD)
YUV	94.0700, 54.6885, 52.5586
Hunter-Lab	35.9635, 62.0109, -71.9742

Details

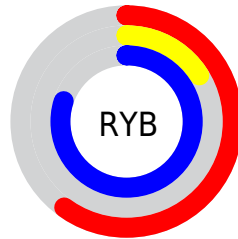
The XYZ color **25.1738, 12.9337, 58.9273** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **26.7637, 46.1573, 9.6894**, and the grayscale version is **10.5290, 11.0773, 12.0632**.

A 20% lighter version of the original color is **50.1443, 30.6735, 97.8854**, and **10.4348, 4.7434, 29.2198** is the 20% darker color. If you saturate the color by 10%, you get **23.4354, 11.2204, 58.6885**, and if you desaturate by 10%, it is **27.3502, 15.4246, 59.2936**.

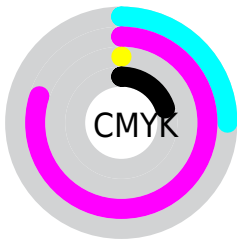
Distribution



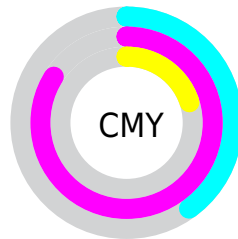
- Red (60%)
- Green (16%)
- Blue (80%)



- Red (60%)
- Yellow (16%)
- Blue (80%)



- Cyan (25%)
- Magenta (80%)
- Yellow (0%)
- Black (20%)




- Cyan (40%)
- Magenta (84%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1738, 12.9337, 58.9273 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 25.1738, 12.9337, 58.9273 by changing the saturation by 10% instead.

 25.1738, 12.9337,
58.9273

 25.1738, 12.9337,
58.9273


271.0341,
210.4923, 438.3268


 16.3360, 7.3829,
42.1350

 51.3799, 31.1846,
104.8001

 9.8546, 3.7027,
28.8806


 69.4789, 44.6535,
134.7176


 5.3642, 1.5087,
18.7457


 91.3957, 61.5306,
169.8473

 2.4994, 0.2948,
11.3118

 117.4957, 82.2003,
210.6077

 0.8950, 0.0000,
6.1601

 148.1441,
107.0469, 257.4173

 0.0000, 0.0000,
2.8723

 183.7065,

 0.0000, 0.0000,

136.4548, 310.6946

1.0298

224.5480,
170.8085, 370.8583

■ 0.0000, 0.0000,
0.0000

■ 25.1738, 12.9337,
58.9273

■ 25.1738, 12.9337,
58.9273

■ 23.4354, 11.2204,
58.6885

■ 27.3502, 15.4246,
59.2936

■ 22.0446, 10.1076,
58.5470

■ 30.0135, 18.7918,
59.8032

■ 21.9803, 10.0583,
58.5409

■ 33.2076, 23.1208,
60.4704

■ 36.9705, 28.4862,
61.3077

■ 41.3364, 34.9552,
62.3263

■ 46.3368, 42.5893,
63.5362

■ 52.0006, 51.4451,
64.9471

■ 58.3552, 61.5758,
66.5676

■ 65.4260, 73.0313,
68.4060

Harmonies

Analogous

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



16.8778, 12.9337, 91.6263



25.1738, 12.9337, 58.9273



30.6513, 12.9337, 23.8611

Triad

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



25.1738, 12.9337, 58.9273



15.3513, 12.9337, 0.0000



3.4270, 12.9337, 29.4360

Complementary

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



25.1738, 12.9337, 58.9273



26.7637, 46.1573, 9.6894

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.



3.2832, 12.9337, 7.4243



25.1738, 12.9337, 58.9273



8.6243, 12.9337, 0.0000

Square

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



25.1738, 12.9337, 58.9273



23.6985, 12.9337, 0.3716



4.7846, 12.9337, 0.8190



5.2996, 12.9337, 66.1444

Rectangle

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



25.1738, 12.9337, 58.9273



30.9793, 12.9337, 9.4721



4.7846, 12.9337, 0.8190



3.2101, 12.9337, 19.9887

Sweetspot

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



25.1744, 12.9342, 58.9276



71.8402, 63.5221, 103.0823



15.9433, 12.8379, 59.3955



14.7574, 12.6549, 21.9148



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.



25.1744, 12.9342, 58.9276



36.8287, 17.1097, 95.9692



33.7544, 17.7351, 42.2622



11.3328, 11.2209, 14.1389



13.7852, 6.3141, 36.4484



0.7872, 0.3649, 1.8839

Inverse Universe

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



27.9809, 15.4257, 11.8589



43.1648, 22.2551, 11.3718



23.9524, 44.6216, 13.4618



11.3545, 11.2705, 12.4014



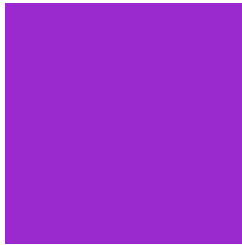
16.2902, 8.3267, 3.9808



0.8747, 0.4433, 0.3862

Previews

White Background



This preview shows how the XYZ color 25.1738, 12.9337, 58.9273 looks on a white background.

Color Contrast Check

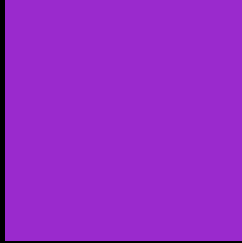
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1738, 12.9337, 58.9273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

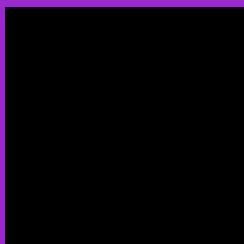
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.1738, 12.9337, 58.9273

Background



This preview shows how black text looks on a background with the XYZ color 25.1738, 12.9337, 58.9273.



This preview shows how white text looks on a background with the XYZ color 25.1738, 12.9337,

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

25.1738, 12.9337, 58.9273

Protanopia

15.5083, 13.1916, 60.1214

Deuteranopia

13.2908, 13.2368, 45.5705



Tritanopia

15.5819, 12.8588, 12.2504

Trichromacy



Original Color

25.1738, 12.9337, 58.9273



Protanomaly

15.4959, 10.7458, 59.6499



Deuteranomaly

13.8676, 10.4433, 50.0001



Tritanomaly

17.8840, 12.0673, 23.9409

Monochromacy



Original Color

25.1738, 12.9337, 58.9273



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

14.0216, 10.4664, 23.8355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1738, 12.9337, 58.9273 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(154, 42, 205)` looks like.

```
.text, #text, p{  
    color:rgb(154, 42, 205)  
}
```

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(154, 42, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 42, 205) }
```

Border

The CSS property to change the border of an element to XYZ 25.1738, 12.9337, 58.9273 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(154, 42, 205) }
```


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

```
.border{ border-color:rgb(154, 42, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 42, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 42, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 42, 205);  
box-shadow:4px 4px 4px 4px rgb(154, 42,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1738, 12.9337, 58.9273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 42, 205) }
```

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

```
.background{ background-color: rgb(154, 42,  
205) }
```

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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