

Converting Colors

XYZ(25.2334, 13.0790, 51.2169)

Have a look what the booklet for
XYZ(25.2334, 13.0790, 51.2169)
contains.

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Color

**XYZ(25.2077, 13.0730,
51.0639)**

Conversions

Conversions Part 1

Format	Color
Hex	A229C0
RGB	162, 41, 192
RGB Percent	64%, 16%, 75%
CMY	0.3647, 0.8392, 0.2471
CMYK	0.16, 0.79, 0.00, 0.25
HSL	288°, 65%, 46%
HSV	288°, 79%, 75%
XYZ	25.2077, 13.0730, 51.0639
YIQ	94.3930, 23.6450, 72.6130

Conversions

Conversions Part 2

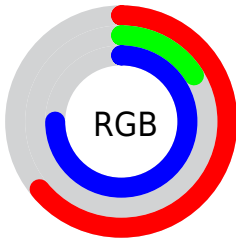
Format	Color
RYB	162, 41, 192
Decimal	10627520
CIELab	42.87, 67.48, -53.88
CIELCh	43, 86.353, 321.394
Yxy	13.0730, 0.2821, 0.1463
Android (android.graphics.Color)	4288817600 (0xFFA229C0)
YUV	94.3930, 48.1203, 59.2913
Hunter-Lab	36.1566, 61.1728, -58.4255

Details

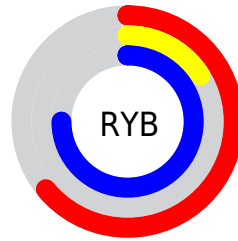
The XYZ color **25.2077, 13.0730, 51.0639** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **21.8487, 39.1992, 8.5128**, and the grayscale version is **10.6186, 11.1716, 12.1659**.

A 20% lighter version of the original color is **51.2678, 31.3626, 92.9740**, and **10.3411, 4.8094, 24.0502** is the 20% darker color. If you saturate the color by 10%, you get **23.9352, 11.6603, 50.8585**, and if you desaturate by 10%, it is **26.8285, 15.1461, 51.3788**.

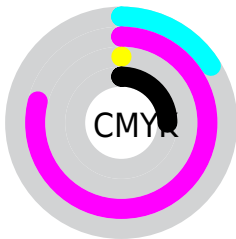
Distribution



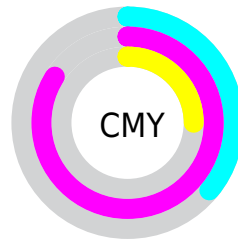
- Red (64%)
- Green (16%)
- Blue (75%)



- Red (64%)
- Yellow (16%)
- Blue (75%)



- Cyan (16%)
- Magenta (79%)
- Yellow (0%)
- Black (25%)



- Cyan (36%)
- Magenta (84%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2077, 13.0730, 51.0639 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 25.2077, 13.0730, 51.0639 by changing the saturation by 10% instead.


 25.2077, 13.0730,
51.0639

 25.2077, 13.0730,
51.0639


271.1993,
211.3850, 407.6656


 16.3614, 7.4788,
35.8824

 51.4344, 31.4349,
93.1617

 9.8727, 3.7633,
24.0544


 69.5456, 44.9714,
120.9150


 5.3763, 1.5421,
15.1614


 91.4758, 61.9241,
153.6961

 2.5067, 0.3181,
8.7849

 117.5904, 82.6774,
191.9234

 0.8986, 0.0000,
4.5062

 148.2546,
107.6158, 236.0154

 0.0000, 0.0000,
1.9070

 183.8340,

 0.0000, 0.0000,

137.1236, 286.3908

0.4972

224.6938,
171.5852, 343.4680

■ 0.0000, 0.0000,
0.0000

■ 25.2077, 13.0730,
51.0639

■ 25.2077, 13.0730,
51.0639

■ 23.9352, 11.6603,
50.8585

■ 26.8285, 15.1461,
51.3788

■ 22.9403, 10.7690,
50.7389

■ 28.8376, 17.9612,
51.8163

■ 22.8135, 10.6617,
50.7249

■ 31.2711, 21.5897,
52.3884

■ 34.1605, 26.0942,
53.1056

■ 37.5342, 31.5309,
53.9772

■ 41.4179, 37.9517,
55.0118

■ 45.8359, 45.4041,
56.2174

■ 50.8105, 53.9329,
57.6015

■ 56.3629, 63.5801,
59.1709

Harmonies

Analogous

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



17.6507, 13.0730, 81.9276



25.2077, 13.0730, 51.0639



29.6607, 13.0730, 20.3922

Triad

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



25.2077, 13.0730, 51.0639



14.4221, 13.0730, 0.0000



3.9616, 13.0730, 32.0235

Complementary

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



25.2077, 13.0730, 51.0639



21.8487, 39.1992, 8.5128

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.



3.6301, 13.0730, 9.4606



25.2077, 13.0730, 51.0639



8.3490, 13.0730, 0.0000

Square

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



25.2077, 13.0730, 51.0639



22.1400, 13.0730, 0.4501



4.9152, 13.0730, 1.4701



6.0722, 13.0730, 65.6785

Rectangle

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



25.2077, 13.0730, 51.0639



29.4697, 13.0730, 8.1962



4.9152, 13.0730, 1.4701



3.6775, 13.0730, 22.6845

Sweetspot

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



25.2083, 13.0735, 51.0642



70.8914, 61.8644, 98.5649



12.6952, 8.8096, 50.9007



14.6846, 12.4109, 21.0069



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



25.2083, 13.0735, 51.0642



42.1022, 19.9664, 91.9952



27.7744, 14.8899, 28.8912



10.2949, 10.1432, 12.7001



15.4151, 7.2072, 34.1353



0.7172, 0.3378, 1.4773

Inverse Universe

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



23.6688, 13.2476, 7.2711



40.4195, 20.9911, 6.4303



21.4562, 38.8477, 15.2357



10.1532, 10.1099, 10.8972



14.8871, 7.6446, 2.0514



0.6681, 0.3402, 0.2196

Previews

White Background



This preview shows how the XYZ color 25.2077, 13.0730, 51.0639 looks on a white background.

Color Contrast Check

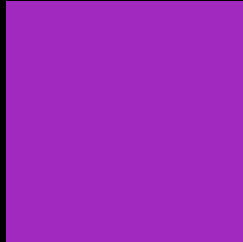
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2077, 13.0730, 51.0639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

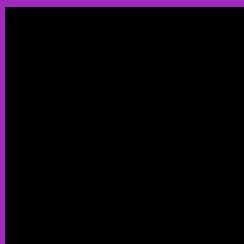
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.2077, 13.0730, 51.0639

Background



This preview shows how black text looks on a background with the XYZ color 25.2077, 13.0730, 51.0639.



This preview shows how white text looks on a background with the XYZ color 25.2077, 13.0730,

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

25.2077, 13.0730, 51.0639

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.7947, 13.4847, 46.1317



Tritanopia

16.9915, 13.0351, 10.8530

Trichromacy



Original Color

25.2077, 13.0730, 51.0639



Protanomaly

15.1182, 10.5018, 57.1074



Deuteranomaly

14.7070, 10.9259, 47.7881



Tritanomaly

18.9099, 12.2930, 21.1148

Monochromacy



Original Color

25.2077, 13.0730, 51.0639



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

14.1531, 10.5658, 22.4125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2077, 13.0730, 51.0639 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(162, 41, 192)` looks like.

```
.text, #text, p{  
    color:rgb(162, 41, 192)  
}
```

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(162, 41, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 41, 192) }
```

Border

The CSS property to change the border of an element to XYZ 25.2077, 13.0730, 51.0639 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(162, 41, 192) }
```


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

```
.border{ border-color:rgb(162, 41, 192) }
```

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

Here you see how a box with a 4 pixel rgb(162, 41, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 41, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 41, 192);  
box-shadow:4px 4px 4px 4px rgb(162, 41,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2077, 13.0730, 51.0639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 41, 192) }
```

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

```
.background{ background-color: rgb(162, 41,  
192) }
```

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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