

# Converting Colors

XYZ(25.4828, 11.5740, 71.8027)

Have a look what the booklet for  
XYZ(25.4828, 11.5740, 71.8027)  
contains.

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# Color

**XYZ(25.6232, 11.6393,  
72.1303)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9300E1
RGB	147, 0, 225
RGB Percent	58%, 0%, 88%
CMY	0.4235, 1.0000, 0.1176
CMYK	0.35, 1.00, 0.00, 0.12
HSL	279°, 100%, 44%
HSV	279°, 100%, 88%
XYZ	25.6232, 11.6393, 72.1303
YIQ	69.6030, 15.3870, 101.1390

# Conversions

## Conversions Part 2

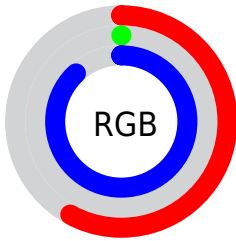
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 0, 225
Decimal	9634017
CIE <sub>Lab</sub>	40.64, 78.87, -76.70
CIE <sub>LCh</sub>	41, 110.017, 315.802
Yxy	11.6393, 0.2342, 0.1064
Android (android.graphics.Color)	4287824097 (0xFF9300E1)
YUV	69.6030, 76.6107, 67.8772
Hunter-Lab	34.1164, 74.3590, -101.4718

# Details

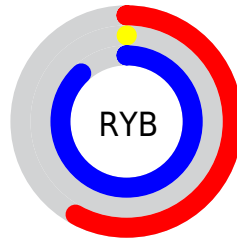
The XYZ color **25.6232, 11.6393, 72.1303** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **30.0672, 55.4704, 9.1222**, and the grayscale version is **5.6325, 5.9258, 6.4532**.

A 20% lighter version of the original color is **46.8754, 26.6719, 97.2853**, and **10.9056, 4.8056, 37.3986** is the 20% darker color. If you saturate the color by 10%, you get **25.6237, 11.6395, 72.1306**, and if you desaturate by 10%, it is **27.3671, 12.9786, 72.2972**.

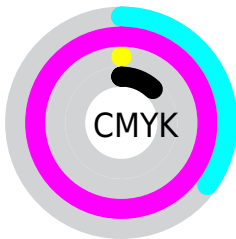
# Distribution



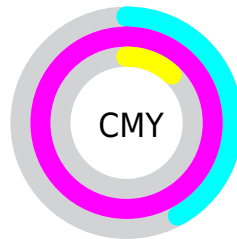
- Red (58%)
- Green (0%)
- Blue (88%)



- Red (58%)
- Yellow (0%)
- Blue (88%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)




- Cyan (42%)
- Magenta (100%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6232, 11.6393, 72.1303 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 25.6232, 11.6393, 72.1303 by changing the saturation by 10% instead.




 25.6232, 11.6393,  
72.1303

 25.6232, 11.6393,  
72.1303


273.2182,  
202.0025, 486.9847


 16.6732, 6.4986,  
52.7776


 52.1021, 28.8364,  
123.9512

 10.0956, 3.1505,  
37.2388


 70.3617, 41.6616,  
157.2565

 5.5251, 1.2108,  
25.0952


 92.4551, 57.8171,  
196.0498

 2.5964, 0.0705,  
15.9283

 118.7478, 77.6873,  
240.7496

 0.9441, 0.0000,  
9.3196

 149.6051,  
101.6565, 291.7745

 0.0000, 0.0000,  
4.8506

 185.3924,

 0.0000, 0.0000,

130.1092, 349.5429

2.1027

226.4750,  
163.4297, 414.4735

■ 0.0000, 0.0000,  
0.6174

■ 0.0000, 0.0000,  
0.0000

■ 25.6232, 11.6393,  
72.1303

■ 25.6232, 11.6393,  
72.1303

■ 25.6237, 11.6395,  
72.1306

■ 27.3671, 12.9786,  
72.2972

■ 29.5522, 15.0579,  
72.5833

■ 32.2926, 18.1016,  
73.0264

■ 35.6537, 22.2381,  
73.6477

■ 39.6908, 27.5753,  
74.4651

■ 44.4524, 34.2083,  
75.4944

■ 49.9825, 42.2219,  
76.7497

■ 56.3209, 51.6941,  
78.2440

■ 63.5047, 62.6965,  
79.9890

# Harmonies

## Analogous

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



15.6559, 11.6393, 114.7155



25.6232, 11.6393, 72.1303



32.8198, 11.6393, 26.3505

# Triad

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



25.6232, 11.6393, 72.1303



15.1518, 11.6393, 0.0000



2.0099, 11.6393, 28.2819

# Complementary

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



25.6232, 11.6393, 72.1303



30.0672, 55.4704, 9.1222

# 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.



1.9753, 11.6393, 4.8027



25.6232, 11.6393, 72.1303



7.4694, 11.6393, 0.0000

# Square

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



25.6232, 11.6393, 72.1303



25.1086, 11.6393, 0.0000



3.4313, 11.6393, 0.0000



3.5687, 11.6393, 74.8659



# Rectangle

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



25.6232, 11.6393, 72.1303



33.6113, 11.6393, 8.8177



3.4313, 11.6393, 0.0000



1.8572, 11.6393, 17.5150

# Sweetspot

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



25.6239, 11.6397, 72.1306



66.2177, 55.8328, 101.8945



16.3688, 10.9925, 72.4935



13.4805, 10.9376, 21.6506



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.



25.6239, 11.6397, 72.1306



33.9024, 15.3922, 95.7919



40.4831, 19.7803, 51.1193



13.8097, 13.6854, 17.3014



14.8959, 6.7744, 41.5709



1.1278, 0.5187, 2.8859



# Inverse Universe

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



32.4266, 16.5577, 8.6946



43.0180, 21.9712, 11.2927



27.2105, 53.9647, 10.4768



13.9024, 13.7786, 15.2563



18.7353, 9.5611, 5.2721



1.3398, 0.6792, 0.5824



# Previews

## White Background



This preview shows how the XYZ color 25.6232, 11.6393, 72.1303 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

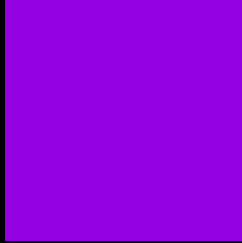
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.6232, 11.6393, 72.1303 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

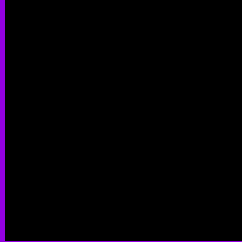
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 25.6232, 11.6393, 72.1303**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.6232, 11.6393, 72.1303.



This preview shows how white text looks on a background with the XYZ color 25.6232, 11.6393,



# 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**

25.6232, 11.6393, 72.1303

**Deuteranopia**

11.9079, 12.0546, 40.2272

**Tritanopia**

13.7237, 12.0166, 12.4226

# Trichromacy



## Original Color

25.6232, 11.6393, 72.1303



## Deuteranomaly

12.7056, 8.1853, 50.2005



## Tritanomaly

15.8124, 9.6869, 26.6275

# Monochromacy



## Original Color

25.6232, 11.6393, 72.1303



## Achromatopsia

5.8214, 6.1246, 6.6697



## Achromatomaly

9.7413, 5.9798, 20.3795

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.6232, 11.6393, 72.1303 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(147, 0, 225)` looks like.

```
.text, #text, p{  
    color:rgb(147, 0, 225)  
}
```

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(147, 0, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 0, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 25.6232, 11.6393, 72.1303 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(147, 0, 225) }
```

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

```
.border{ border-color:rgb(147, 0, 225) }
```

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

Here you see how a box with a 4 pixel rgb(147, 0, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 0, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 0, 225);  
box-shadow:4px 4px 4px 4px rgb(147, 0,  
225) }
```



# Background

The CSS property to change the background color of an element to XYZ 25.6232, 11.6393, 72.1303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 0, 225) }
```

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

```
.background{ background-color: rgb(147, 0,  
225) }
```

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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