

Converting Colors

XYZ(12.5443, 8.6479, 13.0232)

Have a look what the booklet for
XYZ(12.5443, 8.6479, 13.0232)
contains.

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Color

**XYZ(12.5732, 8.6932,
13.0719)**

Conversions

Conversions Part 1

Format	Color
Hex	7E3D64
RGB	126, 61, 100
RGB Percent	49%, 24%, 39%
CMY	0.5059, 0.7608, 0.6078
CMYK	0.00, 0.52, 0.21, 0.51
HSL	324°, 35%, 37%
HSV	324°, 52%, 49%
XYZ	12.5732, 8.6932, 13.0719
YIQ	84.8810, 26.2210, 25.9090

Conversions

Conversions Part 2

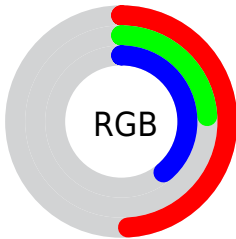
Format	Color
R_{YB}	126, 61, 100
Decimal	8273252
CIE _{Lab}	35.39, 33.27, -10.07
CIE _{LCh}	35, 34.759, 343.167
Yxy	8.6932, 0.3662, 0.2532
Android (android.graphics.Color)	4286463332 (0xFF7E3D64)
YUV	84.8810, 7.4537, 36.0614
Hunter-Lab	29.4842, 24.5218, -5.6474

Details

The XYZ color **12.5732, 8.6932, 13.0719** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.1060, 16.6022, 11.6367**, and the grayscale version is **8.5911, 9.0385, 9.8429**.

A 20% lighter version of the original color is **30.0927, 23.3065, 32.1907**, and **3.6639, 1.9922, 3.5596** is the 20% darker color. If you saturate the color by 10%, you get **11.7415, 7.4082, 11.6281**, and if you desaturate by 10%, it is **13.5785, 10.3012, 14.6483**.

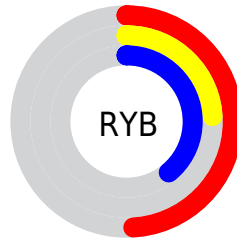
Distribution



Red (49%)

Green (24%)

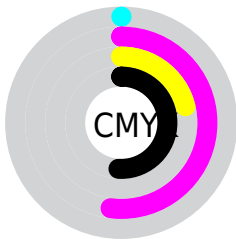
Blue (39%)



Red (49%)

Yellow (24%)

Blue (39%)

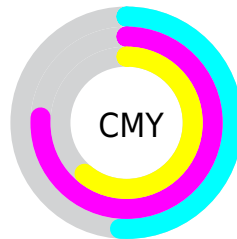


Cyan (0%)

Magenta (52%)

Yellow (21%)

Black (51%)



Cyan (51%)


Magenta (76%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5732, 8.6932, 13.0719 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 12.5732, 8.6932, 13.0719 by changing the saturation by 10% instead.


 12.5732, 8.6932,
13.0719


 12.5732, 8.6932,
13.0719

201.8573,
181.0724, 222.6019


 7.2103, 4.5416,
7.3468


 30.1427, 23.3066,
32.1260


 3.6415, 1.9809,
3.5982

 43.0801, 34.5372,
46.2920


 1.5014, 0.5963,
1.4076

 59.2729, 48.8963,
64.1087

 0.3268, 0.0000,
0.1476

 79.0866, 66.7682,
85.9947

 0.0000, 0.0000,
0.0000

 102.8866, 88.5374,
112.3685

 131.0381,

114.5882, 143.6486

163.9066,
145.3051, 180.2536

■ 12.5732, 8.6932,
13.0719

■ 12.5732, 8.6932,
13.0719

■ 11.7415, 7.4082,
11.6281

■ 13.5785, 10.3012,
14.6483

■ 11.0713, 6.4224,
10.3111

■ 14.7672, 12.2513,
16.3614

■ 10.5496, 5.7105,
9.1155

■ 16.1490, 14.5628,
18.2160

■ 10.1615, 5.2428,
8.0348

■ 17.7328, 17.2528,
20.2162

■ 9.8948, 4.9519,
7.1987

■ 19.5269, 20.3377,
22.3661

■ 21.5392, 23.8327,
24.6693

■ 23.7771, 27.7523,
27.1295

■ 26.2475, 32.1102,
29.7503

■ 28.9573, 36.9196,
32.5349

Harmonies

Analogous

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



11.2198, 8.6932, 20.1378



12.5732, 8.6932, 13.0719



12.6586, 8.6932, 7.1477

Triad

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



12.5732, 8.6932, 13.0719



7.4078, 8.6932, 2.2340



5.7378, 8.6932, 19.3157

Complementary

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



12.5732, 8.6932, 13.0719



11.1060, 16.6022, 11.6367

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.



5.0242, 8.6932, 12.2367



12.5732, 8.6932, 13.0719



5.8769, 8.6932, 3.4432

Square

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



12.5732, 8.6932, 13.0719



9.4410, 8.6932, 2.3052



5.0706, 8.6932, 6.5920



7.1866, 8.6932, 24.6341

Rectangle

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



12.5732, 8.6932, 13.0719



11.9653, 8.6932, 4.5851



5.0706, 8.6932, 6.5920



5.4154, 8.6932, 16.9620

Sweetspot

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



12.5735, 8.6936, 13.0721



30.1209, 28.5053, 34.2283



9.3655, 6.8706, 20.5714



6.7419, 6.2978, 7.6476



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.5735, 8.6936, 13.0721



20.4267, 12.6778, 20.0191



11.3015, 8.1848, 6.3738



4.4276, 4.3842, 5.0560



10.1489, 5.0793, 7.3741



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.5735, 8.6936, 13.0721



20.4267, 12.6778, 20.0191



12.7455, 17.2580, 20.2702



4.4276, 4.3842, 5.0560



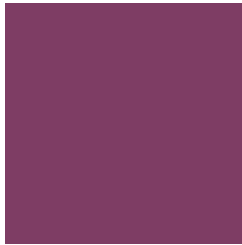
10.1489, 5.0793, 7.3741



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.5732, 8.6932, 13.0719 looks on a white background.

Color Contrast Check

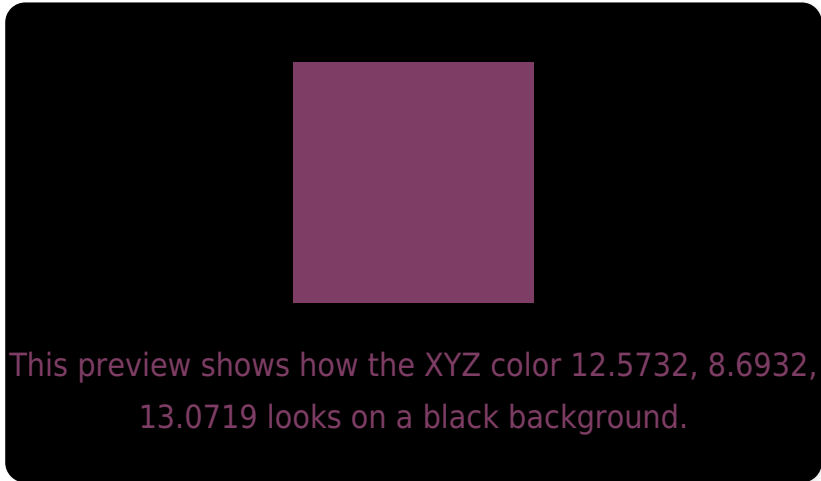
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

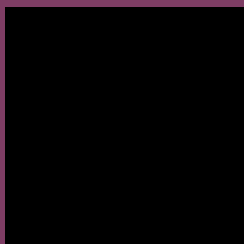
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5732, 8.6932, 13.0719

Background



This preview shows how black text looks on a background with the XYZ color 12.5732, 8.6932, 13.0719.

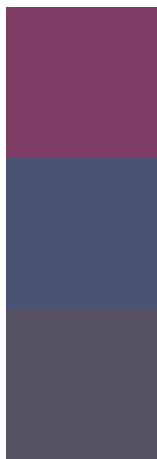


This preview shows how white text looks on a background with the XYZ color 12.5732, 8.6932,

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

12.5732, 8.6932, 13.0719

Protanopia

9.0118, 8.8802, 17.4587

Deuteranopia

9.0127, 8.8761, 12.5475



Tritanopia

11.3452, 8.6931, 7.2109

Trichromacy



Original Color

12.5732, 8.6932, 13.0719

Protanomaly

9.8448, 8.4851, 15.8708

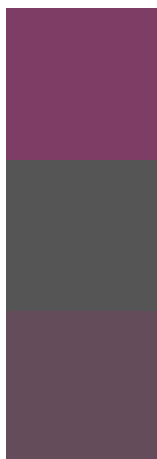
Deuteranomaly

10.0202, 8.5461, 12.6767

Tritanomaly

11.7255, 8.6749, 9.0391

Monochromacy



Original Color

12.5732, 8.6932, 13.0719

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.6854, 8.6164, 10.8255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5732, 8.6932, 13.0719 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(126, 61, 100)` looks like.

```
.text, #text, p{  
    color:rgb(126, 61, 100)  
}
```

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(126, 61, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 61, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.5732, 8.6932, 13.0719 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(126, 61, 100) }
```


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

```
.border{ border-color:rgb(126, 61, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 61, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 61, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 61, 100);  
box-shadow:4px 4px 4px 4px rgb(126, 61,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5732, 8.6932, 13.0719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 61, 100) }
```

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

```
.background{ background-color: rgb(126, 61,  
100) }
```

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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