

Converting Colors

XYZ(12.2855, 7.2875, 8.6717)

Have a look what the booklet for
XYZ(12.2855, 7.2875, 8.6717)
contains.

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Color

**XYZ(12.2735, 7.2777,
8.7405)**

Conversions

Conversions Part 1

Format	Color
Hex	872852
RGB	135, 40, 82
RGB Percent	53%, 16%, 32%
CMY	0.4706, 0.8431, 0.6784
CMYK	0.00, 0.70, 0.39, 0.47
HSL	333°, 54%, 34%
HSV	333°, 70%, 53%
XYZ	12.2735, 7.2777, 8.7405
YIQ	73.1930, 43.1380, 33.2020

Conversions

Conversions Part 2

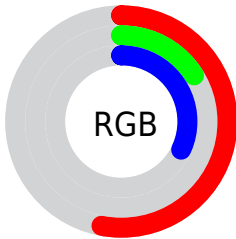
Format	Color
R_{YB}	135, 40, 82
Decimal	8857682
CIE Lab	32.43, 43.97, -2.77
CIE LCh	32, 44.058, 356.390
Yxy	7.2777, 0.4338, 0.2572
Android (android.graphics.Color)	4287047762 (0xFF872852)
YUV	73.1930, 4.3419, 54.2047
Hunter-Lab	26.9772, 33.9999, -0.3257

Details

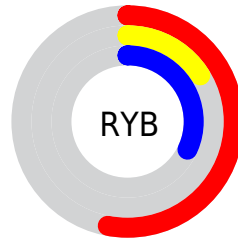
The XYZ color **12.2735, 7.2777, 8.7405** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **11.5153, 18.5697, 13.3346**, and the grayscale version is **6.3544, 6.6853, 7.2803**.

A 20% lighter version of the original color is **29.6621, 20.4995, 23.8662**, and **3.7432, 1.8893, 2.0011** is the 20% darker color. If you saturate the color by 10%, you get **11.6243, 6.4131, 7.1868**, and if you desaturate by 10%, it is **13.1136, 8.4737, 10.5133**.

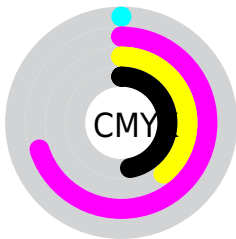
Distribution



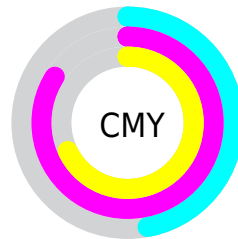
- Red (53%)
- Green (16%)
- Blue (32%)



- Red (53%)
- Yellow (16%)
- Blue (32%)



- Cyan (0%)
- Magenta (70%)
- Yellow (39%)
- Black (47%)





- Cyan (47%)
- Magenta (84%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2735, 7.2777, 8.7405 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 12.2735, 7.2777, 8.7405 by changing the saturation by 10% instead.


 12.2735, 7.2777,
8.7405


 12.2735, 7.2777,
8.7405


199.9408,
169.9516, 191.5763


 7.0038, 3.6364,
4.4778


 29.6048, 20.5297,
23.9675


 3.5108, 1.4723,
1.8910

 42.3971, 30.9092,
35.7690


 1.4293, 0.2691,
0.4870

 58.4276, 44.3035,
50.9204

 0.2769, 0.0000,
0.0000

 78.0616, 61.0971,
69.8403

 0.0000, 0.0000,
0.0000

 101.6646, 81.6743,
92.9474

 129.6019,

106.4195, 120.6600

162.2388,
135.7172, 153.3968

■ 12.2735, 7.2777,
8.7405

■ 12.2735, 7.2777,
8.7405

■ 11.6243, 6.4131,
7.1868

■ 13.1136, 8.4737,
10.5133

■ 11.1469, 5.8434,
5.8406

■ 14.1599, 10.0302,
12.5147

■ 10.7989, 5.4738,
4.7181

■ 15.4267, 11.9742,
14.7543

■ 16.9267, 14.3301,
17.2406

■ 18.6719, 17.1199,
19.9818

■ 20.6731, 20.3644,
22.9856

■ 22.9407, 24.0828,
26.2594

■ 25.4843, 28.2933,
29.8103

■ 28.3132, 33.0131,
33.6449

Harmonies

Analogous

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



11.2434, 7.2777, 17.0924



12.2735, 7.2777, 8.7405



11.6289, 7.2777, 3.5543

Triad

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



12.2735, 7.2777, 8.7405



5.1475, 7.2777, 1.1622



4.7651, 7.2777, 23.6328

Complementary

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



12.2735, 7.2777, 8.7405



11.5153, 18.5697, 13.3346

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.



3.6890, 7.2777, 14.9089



12.2735, 7.2777, 8.7405



3.8733, 7.2777, 2.8115

Square

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



12.2735, 7.2777, 8.7405



7.1967, 7.2777, 0.8351



3.4023, 7.2777, 7.1603



6.6451, 7.2777, 28.1911

Rectangle

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



12.2735, 7.2777, 8.7405



10.3992, 7.2777, 1.8701



3.4023, 7.2777, 7.1603



4.3148, 7.2777, 20.9172

Sweetspot

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



12.2737, 7.2781, 8.7406



33.0705, 30.0675, 35.2186



9.5711, 5.5556, 23.4896



7.4798, 6.6761, 7.8788



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.2737, 7.2781, 8.7406



20.3096, 10.8610, 11.4959



11.3039, 7.1623, 2.7947



4.7517, 4.7204, 5.3050



9.9644, 5.0501, 4.3851



0.0381, 0.0189, 0.0340

Inverse Universe

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



12.2737, 7.2781, 8.7406



20.3096, 10.8610, 11.4959



13.2645, 18.2325, 25.7419



4.7517, 4.7204, 5.3050



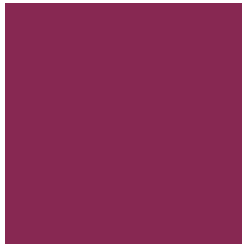
9.9644, 5.0501, 4.3851



0.0381, 0.0189, 0.0340

Previews

White Background



This preview shows how the XYZ color 12.2735, 7.2777, 8.7405 looks on a white background.

Color Contrast Check

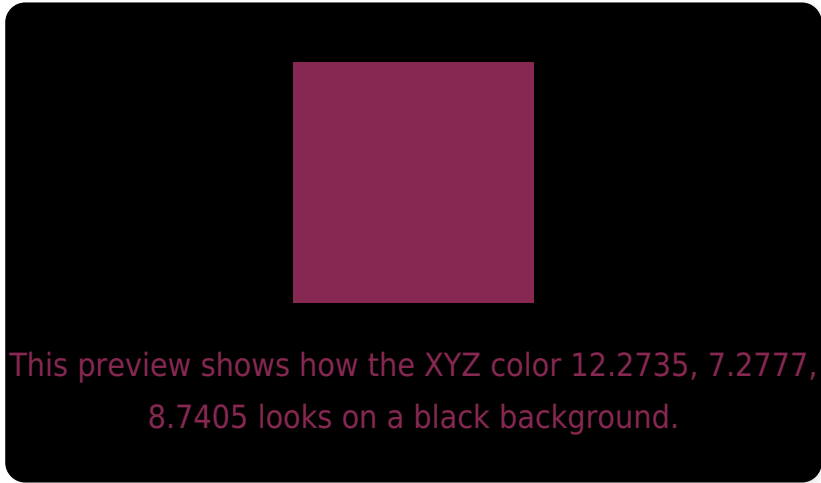
Large Text (above 18pt) WCAG AA ✓ Pass

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

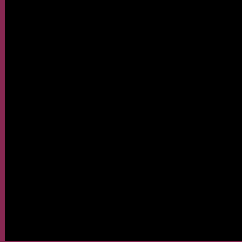
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2735, 7.2777, 8.7405

Background



This preview shows how black text looks on a background with the XYZ color 12.2735, 7.2777, 8.7405.



This preview shows how white text looks on a background with the XYZ color 12.2735, 7.2777,

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

12.2735, 7.2777, 8.7405

Protanopia

7.5885, 7.4540, 14.4034

Deuteranopia

7.6019, 7.4993, 8.0680



Tritanopia

11.3274, 7.3395, 3.9516

Trichromacy



Original Color

12.2735, 7.2777, 8.7405

Protanomaly

8.4494, 6.7452, 12.1659

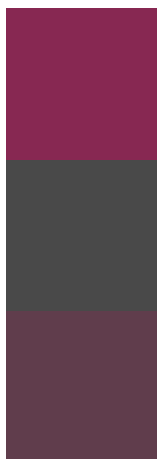
Deuteranomaly

8.7274, 6.8933, 8.2677

Tritanomaly

11.6394, 7.2929, 5.3516

Monochromacy



Original Color

12.2735, 7.2777, 8.7405

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.7971, 6.3461, 7.6514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2735, 7.2777, 8.7405 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(135, 40, 82)` looks like.

```
.text, #text, p{  
    color:rgb(135, 40, 82)  
}
```

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(135, 40, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 40, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.2735, 7.2777, 8.7405 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(135, 40, 82) }
```


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

```
.border{ border-color:rgb(135, 40, 82) }
```

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

Here you see how a box with a 4 pixel rgb(135, 40, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 40, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 40, 82);  
box-shadow:4px 4px 4px 4px rgb(135, 40,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2735, 7.2777, 8.7405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 40, 82) }
```

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

```
.background{ background-color: rgb(135, 40,  
82) }
```

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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