

Converting Colors

XYZ(12.9486, 8.1973, 12.2662)

Have a look what the booklet for
XYZ(12.9486, 8.1973, 12.2662)
contains.

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Color

**XYZ(12.8572, 8.1363,
12.2021)**

Conversions

Conversions Part 1

Format	Color
Hex	843361
RGB	132, 51, 97
RGB Percent	52%, 20%, 38%
CMY	0.4824, 0.8000, 0.6196
CMYK	0.00, 0.61, 0.27, 0.48
HSL	326°, 44%, 36%
HSV	326°, 61%, 52%
XYZ	12.8572, 8.1363, 12.2021
YIQ	80.4630, 33.5100, 31.4780

Conversions

Conversions Part 2

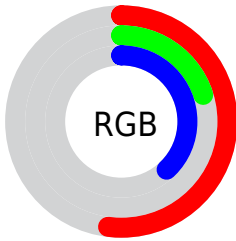
Format	Color
R_{YB}	132, 51, 97
Decimal	8663905
CIE _{Lab}	34.27, 40.01, -9.76
CIE _{LCh}	34, 41.182, 346.290
Yxy	8.1363, 0.3873, 0.2451
Android (android.graphics.Color)	4286853985 (0xFF843361)
YUV	80.4630, 8.1527, 45.1979
Hunter-Lab	28.5242, 30.5410, -5.3962

Details

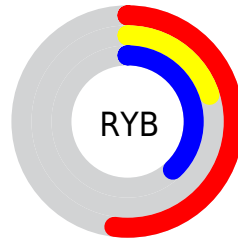
The XYZ color **12.8572, 8.1363, 12.2021** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **11.2967, 17.8784, 11.6606**, and the grayscale version is **7.6958, 8.0965, 8.8171**.

A 20% lighter version of the original color is **30.5902, 22.2057, 30.6908**, and **3.8220, 1.9013, 3.2975** is the 20% darker color. If you saturate the color by 10%, you get **12.1037, 7.0398, 10.6856**, and if you desaturate by 10%, it is **13.7941, 9.5689, 13.8743**.

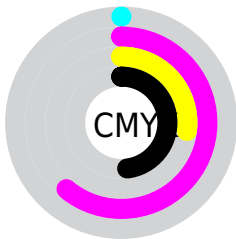
Distribution



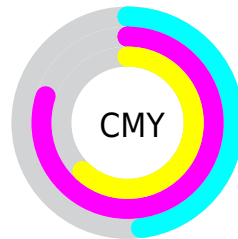
- Red (52%)
- Green (20%)
- Blue (38%)



- Red (52%)
- Yellow (20%)
- Blue (38%)



- Cyan (0%)
- Magenta (61%)
- Yellow (27%)
- Black (48%)



- Cyan (48%)
- Magenta (80%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8572, 8.1363, 12.2021 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 12.8572, 8.1363, 12.2021 by changing the saturation by 10% instead.

12.8572, 8.1363,
12.2021

12.8572, 8.1363,
12.2021

203.6566,
176.7972, 216.7639

7.4066, 4.1823,
6.7573

30.6505, 22.2252,
30.5325

3.7662, 1.7760,
3.2346

43.7239, 33.1289,
44.2552

1.5708, 0.4722,
1.2156

60.0690, 47.1179,
61.5743

0.3732, 0.0000,
0.0000

80.0511, 64.5767,
82.9082

0.0000, 0.0000,
0.0000

104.0355, 85.8897,
108.6756

132.3877,

111.4411, 139.2950

165.4729,
141.6155, 175.1849

■ 12.8572, 8.1363,
12.2021

■ 12.8572, 8.1363,
12.2021

■ 12.1037, 7.0398,
10.6856

■ 13.7941, 9.5689,
13.8743

■ 11.5183, 6.2494,
9.3174

■ 14.9266, 11.3616,
15.7079

■ 11.0839, 5.7318,
8.0900

■ 16.2668, 13.5378,
17.7089

■ 10.7843, 5.4130,
7.1259

■ 17.8255, 16.1186,
19.8826

■ 19.6126, 19.1233,
22.2343

■ 21.6376, 22.5702,
24.7686

■ 23.9093, 26.4764,
27.4903

■ 26.4361, 30.8581,
30.4037

■ 29.2259, 35.7307,
33.5131

Harmonies

Analogous

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



11.3789, 8.1363, 20.7652



12.8572, 8.1363, 12.2021



12.7852, 8.1363, 5.7678

Triad

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



12.8572, 8.1363, 12.2021



6.5612, 8.1363, 1.4253



5.0688, 8.1363, 21.4826

Complementary

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



12.8572, 8.1363, 12.2021



11.2967, 17.8784, 11.6606

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.



4.2259, 8.1363, 12.8946



12.8572, 8.1363, 12.2021



4.9637, 8.1363, 2.6841

Square

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



12.8572, 8.1363, 12.2021



8.8263, 8.1363, 1.3822



4.1916, 8.1363, 6.1902



6.7345, 8.1363, 27.6641

Rectangle

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



12.8572, 8.1363, 12.2021



11.8601, 8.1363, 3.2894



4.1916, 8.1363, 6.1902



4.6957, 8.1363, 18.6332

Sweetspot

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



12.8574, 8.1367, 12.2023



32.2880, 29.8791, 36.2155



9.0728, 5.9538, 22.5008



7.3387, 6.6576, 8.1923



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.8574, 8.1367, 12.2023



20.8434, 11.7400, 17.7569



11.4573, 7.5766, 4.8289



4.7751, 4.7297, 5.4279



10.4447, 5.2422, 6.9139



0.0399, 0.0196, 0.0433

Inverse Universe

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



12.8574, 8.1367, 12.2023



20.8434, 11.7400, 17.7569



13.3344, 18.6935, 22.3914



4.7751, 4.7297, 5.4279



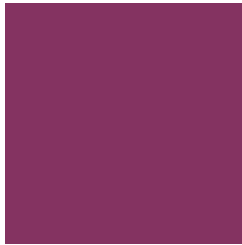
10.4447, 5.2422, 6.9139



0.0399, 0.0196, 0.0433

Previews

White Background



This preview shows how the XYZ color 12.8572, 8.1363, 12.2021 looks on a white background.

Color Contrast Check

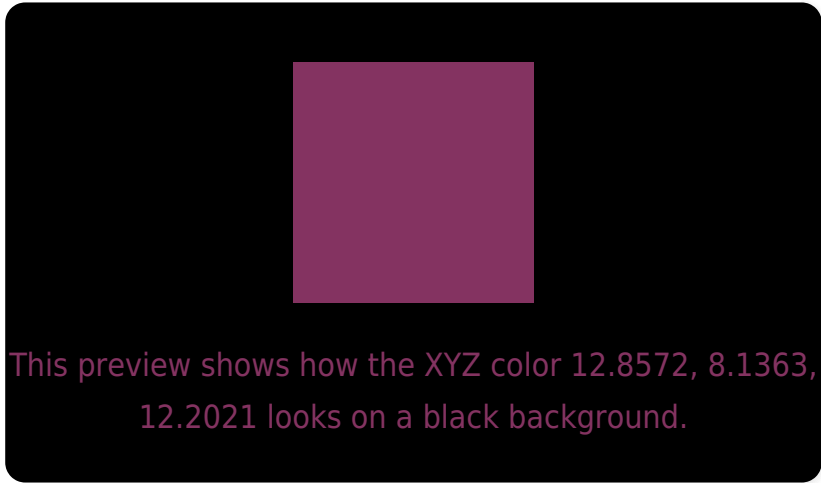
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8572, 8.1363, 12.2021

Background



This preview shows how black text looks on a background with the XYZ color 12.8572, 8.1363, 12.2021.



This preview shows how white text looks on a background with the XYZ color 12.8572, 8.1363,

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

12.8572, 8.1363, 12.2021

Protanopia

8.5929, 8.3105, 18.2907

Deuteranopia

8.4279, 8.2671, 11.5074



Tritanopia

11.5144, 8.1539, 5.6696

Trichromacy



Original Color

12.8572, 8.1363, 12.2021

Protanomaly

9.3562, 7.6573, 15.7367

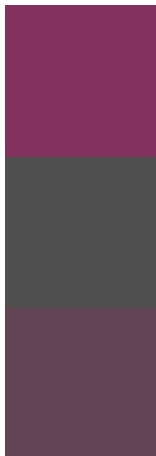
Deuteranomaly

9.5153, 7.8311, 11.5997

Tritanomaly

11.8901, 8.0822, 7.5899

Monochromacy



Original Color

12.8572, 8.1363, 12.2021

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.9534, 7.5808, 9.7954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8572, 8.1363, 12.2021 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(132, 51, 97)` looks like.

```
.text, #text, p{  
    color:rgb(132, 51, 97)  
}
```

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(132, 51, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 51, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.8572, 8.1363, 12.2021 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(132, 51, 97) }
```


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

```
.border{ border-color:rgb(132, 51, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 51, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 51, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 51, 97);  
box-shadow:4px 4px 4px 4px rgb(132, 51,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8572, 8.1363, 12.2021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 51, 97) }
```

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

```
.background{ background-color: rgb(132, 51,  
97) }
```

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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