

Converting Colors

XYZ(7.8137, 10.8325, 12.9807)

Have a look what the booklet for
XYZ(7.8137, 10.8325, 12.9807)
contains.

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Color

**XYZ(7.8235, 10.8372,
12.9887)**

Conversions

Conversions Part 1

Format	Color
Hex	296661
RGB	41, 102, 97
RGB Percent	16%, 40%, 38%
CMY	0.8392, 0.6000, 0.6196
CMYK	0.60, 0.00, 0.05, 0.60
HSL	175°, 43%, 28%
HSV	175°, 60%, 40%
XYZ	7.8235, 10.8372, 12.9887
YIQ	83.1910, -34.7510, -14.4870

Conversions

Conversions Part 2

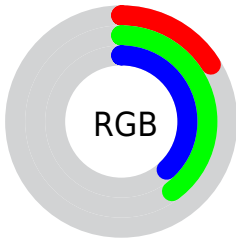
Format	Color
RYB	41, 73, 102
Decimal	2713185
CIELab	39.30, -20.88, -3.10
CIELCh	39, 21.113, 188.444
Yxy	10.8372, 0.2472, 0.3424
Android (android.graphics.Color)	4280903265 (0xFF296661)
YUV	83.1910, 6.8078, -37.0015
Hunter-Lab	32.9199, -15.1888, -0.3492

Details

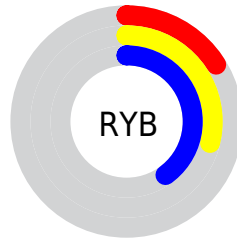
The XYZ color **7.8235, 10.8372, 12.9887** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.7660, 4.6083, 3.1181**, and the grayscale version is **8.2528, 8.6826, 9.4554**.

A 20% lighter version of the original color is **21.2507, 27.2477, 32.1563**, and **1.9637, 2.9714, 3.6020** is the 20% darker color. If you saturate the color by 10%, you get **7.4296, 10.6389, 12.7680**, and if you desaturate by 10%, it is **8.3240, 11.0909, 13.2170**.

Distribution



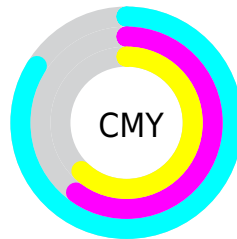
- Red (16%)
- Green (40%)
- Blue (38%)



- Red (16%)
- Yellow (29%)
- Blue (40%)



- Cyan (60%)
- Magenta (0%)
- Yellow (5%)
- Black (60%)



- Cyan (84%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8235, 10.8372, 12.9887 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 7.8235, 10.8372, 12.9887 by changing the saturation by 10% instead.

7.8235, 10.8372,
12.9887

7.8235, 10.8372,
12.9887

168.7410,
196.5472, 222.0505

4.0331, 5.9575,
7.2901

21.3004, 27.3587,
31.9744

1.7209, 2.8192,
3.5630

31.7177, 39.7693,
46.0986

0.4693, 1.0381,
1.3888

45.0745, 55.4590,
63.8684

0.0000, 0.0000,
0.1330

61.7364, 74.8121,
85.7023

0.0000, 0.0000,
0.0000

82.0686, 98.2131,
112.0190

106.4366,

126.0464, 143.2369

135.2056,
158.6963, 179.7745

■ 7.8235, 10.8372,
12.9887

■ 7.8235, 10.8372,
12.9887

■ 7.4296, 10.6389,
12.7680

■ 8.3240, 11.0909,
13.2170

■ 7.1330, 10.4904,
12.5538

■ 8.9375, 11.4026,
13.4525

■ 6.9243, 10.3872,
12.3458

■ 9.6711, 11.7762,
13.6958

■ 6.7590, 10.3063,
12.1420

■ 10.5312, 12.2149,
13.9472

■ 6.7557, 10.3047,
12.1379

■ 11.5235, 12.7217,
14.2069

■ 12.6534, 13.2995,
14.4753

■ 13.9261, 13.9507,
14.7525

■ 15.3465, 14.6781,
15.0388

■ 16.9192, 15.4839,
15.3344

Harmonies

Analogous

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



7.9589, 10.8372, 9.1480



7.8235, 10.8372, 12.9887



8.3022, 10.8372, 17.3749

Triad

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



7.8235, 10.8372, 12.9887



12.0975, 10.8372, 19.0649



11.3390, 10.8372, 5.9081

Complementary

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



7.8235, 10.8372, 12.9887



6.7660, 4.6083, 3.1181

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.



12.5961, 10.8372, 7.5666



7.8235, 10.8372, 12.9887



13.0613, 10.8372, 14.9203

Square

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



7.8235, 10.8372, 12.9887



10.7076, 10.8372, 21.3751



13.2517, 10.8372, 10.6859



9.9037, 10.8372, 5.6208

Rectangle

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



7.8235, 10.8372, 12.9887



8.9335, 10.8372, 19.8184



13.2517, 10.8372, 10.6859



11.8001, 10.8372, 6.3017

Sweetspot

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



7.8238, 10.8376, 12.9890



18.6792, 21.5290, 24.5172



6.2824, 10.2460, 3.7447



4.3244, 5.0369, 5.7612



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



7.8238, 10.8376, 12.9890



12.7876, 18.5363, 22.2299



5.9379, 6.6808, 13.5473



2.8944, 3.1815, 3.5454



8.6697, 13.2315, 15.5541



45.0637, 68.9480, 80.3145

Inverse Universe

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



6.7660, 4.6083, 3.1181



10.7482, 6.4743, 3.1613



7.8528, 6.9306, 3.0220



2.8378, 2.8498, 3.0183



7.0889, 3.6485, 0.6008



36.8289, 18.9715, 2.3761

Previews

White Background



This preview shows how the XYZ color 7.8235, 10.8372, 12.9887 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 7.8235, 10.8372, 12.9887 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 7.8235, 10.8372, 12.9887

Background



This preview shows how black text looks on a background with the XYZ color 7.8235, 10.8372, 12.9887.



This preview shows how white text looks on a background with the XYZ color 7.8235, 10.8372, 12.9887.

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

7.8235, 10.8372, 12.9887

Protanopia

10.3316, 10.7893, 11.4355

Deuteranopia

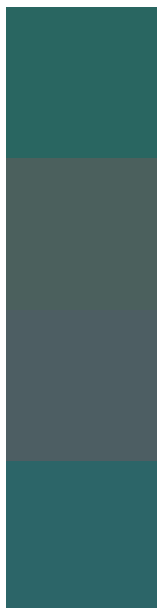
10.9934, 10.8291, 13.5674



Tritanopia

8.3907, 10.7779, 15.8255

Trichromacy



Original Color

7.8235, 10.8372, 12.9887

Protanomaly

9.0603, 10.6519, 11.9344

Deuteranomaly

9.3154, 10.4840, 13.3370

Tritanomaly

8.1911, 10.8423, 14.7578

Monochromacy



Original Color

7.8235, 10.8372, 12.9887

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.8015, 9.2459, 10.6060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8235, 10.8372, 12.9887 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(41, 102, 97)` looks like.

```
.text, #text, p{  
    color:rgb(41, 102, 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(41, 102, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 102, 97) }
```

Border

The CSS property to change the border of an element to XYZ 7.8235, 10.8372, 12.9887 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(41, 102, 97) }
```


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

```
.border{ border-color:rgb(41, 102, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 102, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 102, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 102, 97);  
box-shadow:4px 4px 4px 4px rgb(41, 102,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 7.8235, 10.8372, 12.9887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 102, 97) }
```

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

```
.background{ background-color: rgb(41, 102,  
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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