

Converting Colors

XYZ(9.8963, 11.9080, 12.9223)

Have a look what the booklet for
XYZ(9.8963, 11.9080, 12.9223)
contains.

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Color

**XYZ(9.8432, 11.8838,
12.8413)**

Conversions

Conversions Part 1

Format	Color
Hex	4C6660
RGB	76, 102, 96
RGB Percent	30%, 40%, 38%
CMY	0.7020, 0.6000, 0.6235
CMYK	0.25, 0.00, 0.06, 0.60
HSL	166°, 15%, 35%
HSV	166°, 25%, 40%
XYZ	9.8432, 11.8838, 12.8413
YIQ	93.5420, -13.5700, -7.3780

Conversions

Conversions Part 2

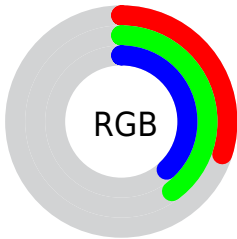
Format	Color
R_{YB}	76, 91, 102
Decimal	5006944
CIE Lab	41.03, -11.02, 0.25
CIE LCh	41, 11.023, 178.704
Yxy	11.8838, 0.2847, 0.3438
Android (android.graphics.Color)	4283197024 (0xFF4C6660)
YUV	93.5420, 1.2118, -15.3843
Hunter-Lab	34.4729, -9.3596, 2.0452

Details

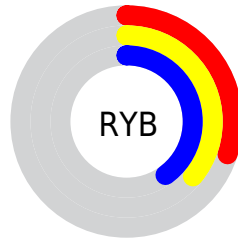
The XYZ color **9.8432, 11.8838, 12.8413** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.5874, 8.6032, 9.1385**, and the grayscale version is **10.5312, 11.0796, 12.0657**.

A 20% lighter version of the original color is **25.1837, 29.2934, 31.5210**, and **2.5070, 3.2540, 3.5136** is the 20% darker color. If you saturate the color by 10%, you get **8.9895, 11.4564, 12.2441**, and if you desaturate by 10%, it is **10.8293, 12.3798, 13.4621**.

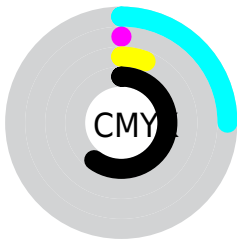
Distribution



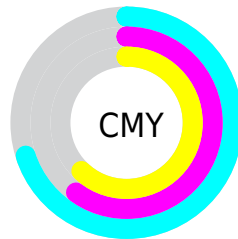
- Red (30%)
- Green (40%)
- Blue (38%)



- Red (30%)
- Yellow (36%)
- Blue (40%)



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (60%)



- Cyan (70%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8432, 11.8838, 12.8413 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 9.8432, 11.8838, 12.8413 by changing the saturation by 10% instead.

■ 9.8432, 11.8838,
12.8413

■ 9.8432, 11.8838,
12.8413

183.6264,
203.6345, 221.0701

■ 5.3566, 6.6646,
7.1899

■ 25.1525, 29.2833,
31.7054

■ 2.4949, 3.2532,
3.5009

■ 36.7059, 42.2324,
45.7551

■ 0.8927, 1.2653,
1.3557

■ 51.3457, 58.5269,
63.4415

■ 0.0000, 0.1141,
0.1068

■ 69.4370, 78.5512,
85.1828

■ 0.0000, 0.0000,
0.0000

■ 91.3455, 102.6897,
111.3979

117.4362,

131.3269, 142.5050

148.0748,
164.8470, 178.9229

■ 9.8432, 11.8838,
12.8413

■ 9.8432, 11.8838,
12.8413

■ 8.9895, 11.4564,
12.2441

■ 10.8293, 12.3798,
13.4621

■ 8.2612, 11.0929,
11.6694

■ 11.9526, 12.9457,
14.1062

■ 7.6520, 10.7904,
11.1168

■ 13.2186, 13.5849,
14.7743

■ 7.1548, 10.5454,
10.5861

■ 14.6325, 14.3000,
15.4666

■ 6.7617, 10.3535,
10.0765

■ 16.1991, 15.0933,
16.1836

■ 6.4635, 10.2104,
9.5876

■ 17.9228, 15.9673,
16.9256

■ 6.2394, 10.1050,
9.1182

■ 19.8081, 16.9242,
17.6930

■ 6.1432, 10.0598,
8.9120

■ 21.8593, 17.9662,
18.4860

■ 24.0803, 19.0953,
19.3051

Harmonies

Analogous

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



10.0459, 11.8838, 10.8080



9.8432, 11.8838, 12.8413



10.0142, 11.8838, 15.1440

Triad

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



9.8432, 11.8838, 12.8413



12.0408, 11.8838, 17.1439



12.1030, 11.8838, 9.5658

Complementary

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



9.8432, 11.8838, 12.8413



9.5874, 8.6032, 9.1385

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.



12.6810, 11.8838, 10.9599



9.8432, 11.8838, 12.8413



12.6440, 11.8838, 15.3341

Square

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



9.8432, 11.8838, 12.8413



11.2609, 11.8838, 17.7958



12.8834, 11.8838, 13.0381



11.3296, 11.8838, 9.0583

Rectangle

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



9.8432, 11.8838, 12.8413



10.3218, 11.8838, 16.4920



12.8834, 11.8838, 13.0381



12.3279, 11.8838, 9.9376

Sweetspot

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



9.8435, 11.8843, 12.8416



20.3972, 22.4185, 24.4246



9.5418, 11.8219, 8.6167



4.7569, 5.2610, 5.7309



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.



9.8435, 11.8843, 12.8416



16.2783, 20.3479, 21.8452



9.4774, 10.6927, 14.1354



2.8779, 3.1749, 3.4587



7.8746, 12.9135, 11.3672



40.7249, 67.2125, 57.4669

Inverse Universe

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



9.5874, 8.6032, 9.1385



15.7414, 13.4602, 14.0758



9.8726, 9.5233, 8.1555



2.8530, 2.8559, 3.0984



7.2293, 3.7047, 1.3401



37.4156, 19.2062, 5.4659

Previews

White Background



This preview shows how the XYZ color 9.8432, 11.8838, 12.8413 looks on a white background.

Color Contrast Check

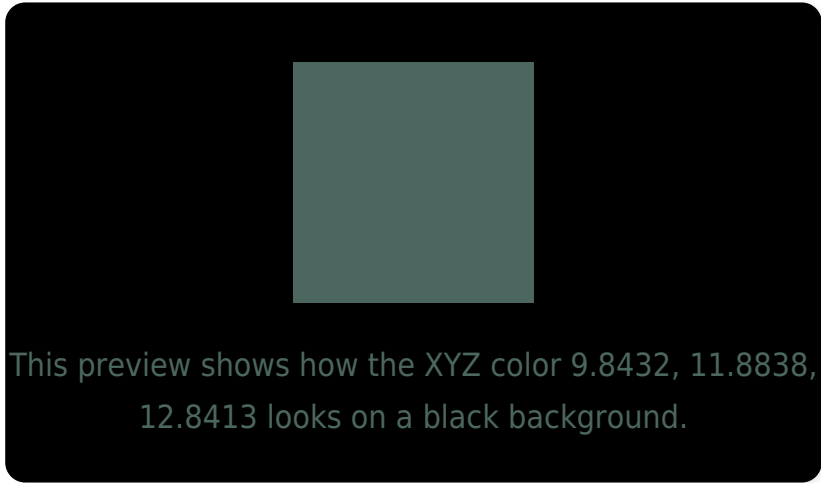
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

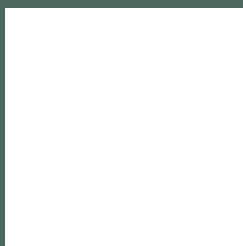
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.8432, 11.8838, 12.8413

Background



This preview shows how black text looks on a background with the XYZ color 9.8432, 11.8838, 12.8413.



This preview shows how white text looks on a background with the XYZ color 9.8432, 11.8838, 12.8413.

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

9.8432, 11.8838, 12.8413

Protanopia

11.3042, 11.8087, 12.0394

Deuteranopia

11.9447, 11.7138, 13.1867



Tritanopia

10.4884, 11.8593, 15.9236

Trichromacy



Original Color

9.8432, 11.8838, 12.8413

Protanomaly

10.7024, 11.7677, 12.2970

Deuteranomaly

10.9566, 11.6085, 12.9724

Tritanomaly

10.2943, 11.9265, 14.8562

Monochromacy



Original Color

9.8432, 11.8838, 12.8413

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2707, 11.4018, 12.4859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8432, 11.8838, 12.8413 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(76, 102, 96)` looks like.

```
.text, #text, p{  
    color:rgb(76, 102, 96)  
}
```

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(76, 102, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 102, 96) }
```

Border

The CSS property to change the border of an element to XYZ 9.8432, 11.8838, 12.8413 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(76, 102, 96) }
```


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

```
.border{ border-color:rgb(76, 102, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 102, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 102, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 102, 96);  
box-shadow:4px 4px 4px 4px rgb(76, 102,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8432, 11.8838, 12.8413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 102, 96) }
```

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

```
.background{ background-color: rgb(76, 102,  
96) }
```

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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