

Converting Colors

XYZ(9.4475, 12.6804, 8.7982)

Have a look what the booklet for
XYZ(9.4475, 12.6804, 8.7982)
contains.

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Color

**XYZ(9.4147, 12.6634,
8.7855)**

Conversions

Conversions Part 1

Format	Color
Hex	496C4C
RGB	73, 108, 76
RGB Percent	29%, 42%, 30%
CMY	0.7137, 0.5765, 0.7020
CMYK	0.32, 0.00, 0.30, 0.58
HSL	125°, 19%, 35%
HSV	125°, 32%, 42%
XYZ	9.4147, 12.6634, 8.7855
YIQ	93.8870, -10.5880, -17.3720

Conversions

Conversions Part 2

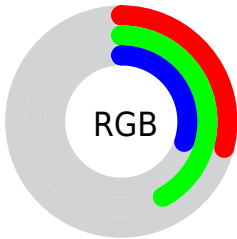
Format	Color
RYB	73, 105, 108
Decimal	4811852
CIELab	42.25, -19.74, 14.01
CIElCh	42, 24.207, 144.635
Yxy	12.6634, 0.3050, 0.4103
Android (android.graphics.Color)	4283001932 (0xFF496C4C)
YUV	93.8870, -8.8183, -18.3179
Hunter-Lab	35.5857, -15.0502, 10.2723

Details

The XYZ color **9.4147, 12.6634, 8.7855** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.1171, 8.9734, 14.5112**, and the grayscale version is **10.6348, 11.1887, 12.1845**.

A 20% lighter version of the original color is **24.4409, 30.8332, 24.0653**, and **2.3286, 3.5690, 1.9327** is the 20% darker color. If you saturate the color by 10%, you get **8.3491, 12.1511, 7.0792**, and if you desaturate by 10%, it is **10.6758, 13.2711, 10.7767**.

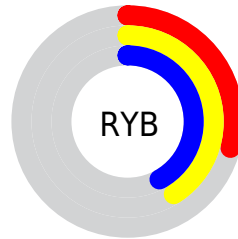
Distribution



Red (29%)

Green (42%)

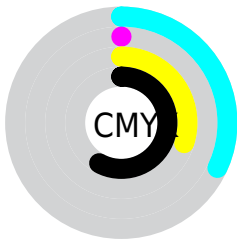
Blue (30%)



Red (29%)

Yellow (41%)

Blue (42%)

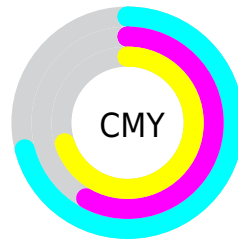


Cyan (32%)

Magenta (0%)

Yellow (30%)

Black (58%)



Cyan (71%)

Magenta (58%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.4147, 12.6634, 8.7855 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 9.4147, 12.6634, 8.7855 by changing the saturation by 10% instead.

■ 9.4147, 12.6634,
8.7855

■ 9.4147, 12.6634,
8.7855

180.5845,
208.7490, 191.9284

■ 5.0719, 7.1972,
4.5066

■ 24.3484, 30.6977,
24.0556

■ 2.3247, 3.5857,
1.9072

■ 35.6701, 44.0346,
35.8840

■ 0.8073, 1.4446,
0.4973

■ 50.0487, 60.7639,
51.0660

■ 0.0000, 0.2493,
0.0000

■ 67.8497, 81.2698,
70.0200

■ 0.0000, 0.0000,
0.0000

■ 89.4385, 105.9369,
93.1648

115.1803,

135.1496, 120.9187

145.4405,
169.2922, 153.7004

■ 9.4147, 12.6634,
8.7855

■ 9.4147, 12.6634,
8.7855

■ 8.3491, 12.1511,
7.0792

■ 10.6758, 13.2711,
10.7767

■ 7.4683, 11.7279,
5.6439

■ 12.1406, 13.9771,
13.0640

■ 6.7620, 11.3891,
4.4659

■ 13.8177, 14.7860,
15.6591

■ 6.2186, 11.1291,
3.5300

■ 15.7153, 15.7018,
18.5729

■ 5.8249, 10.9415,
2.8194

■ 17.8410, 16.7280,
21.8157

■ 5.5647, 10.8183,
2.3151

■ 20.2019, 17.8683,
25.3972

■ 5.4135, 10.7459,
2.0547

■ 22.8050, 19.1259,
29.3270

■ 25.6569, 20.5042,
33.6141

■ 28.7639, 22.0062,
38.2671

Harmonies

Analogous

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



10.6426, 12.6634, 6.5664



9.4147, 12.6634, 8.7855



8.8923, 12.6634, 12.8770

Triad

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



9.4147, 12.6634, 8.7855



11.7136, 12.6634, 26.2868



15.4859, 12.6634, 10.0360

Complementary

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



9.4147, 12.6634, 8.7855



11.1171, 8.9734, 14.5112

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.



15.8454, 12.6634, 14.7416



9.4147, 12.6634, 8.7855



13.5464, 12.6634, 24.9810

Square

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



9.4147, 12.6634, 8.7855



10.1317, 12.6634, 23.6211



15.1040, 12.6634, 20.4010



14.1655, 12.6634, 7.1514

Rectangle

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



9.4147, 12.6634, 8.7855



8.9724, 12.6634, 16.4638



15.1040, 12.6634, 20.4010



15.7283, 12.6634, 11.4196

Sweetspot

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



9.4150, 12.6639, 8.7858



21.9107, 24.8255, 23.8620



12.4012, 14.2151, 8.3936



5.2311, 5.9740, 5.6635



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



9.4150, 12.6639, 8.7858



15.0671, 21.5289, 13.0882



10.1049, 12.9399, 12.4184



3.0736, 3.4486, 3.3713



6.4514, 12.8146, 2.4222



32.7272, 65.2380, 11.5760

Inverse Universe

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



11.1171, 8.9734, 14.5112



18.5624, 13.9467, 24.8430



10.3115, 8.6511, 10.2689



3.2069, 3.1596, 3.8200



10.0432, 4.8694, 14.3881



51.0159, 24.7483, 72.4775

Previews

White Background



This preview shows how the XYZ color 9.4147, 12.6634, 8.7855 looks on a white background.

Color Contrast Check

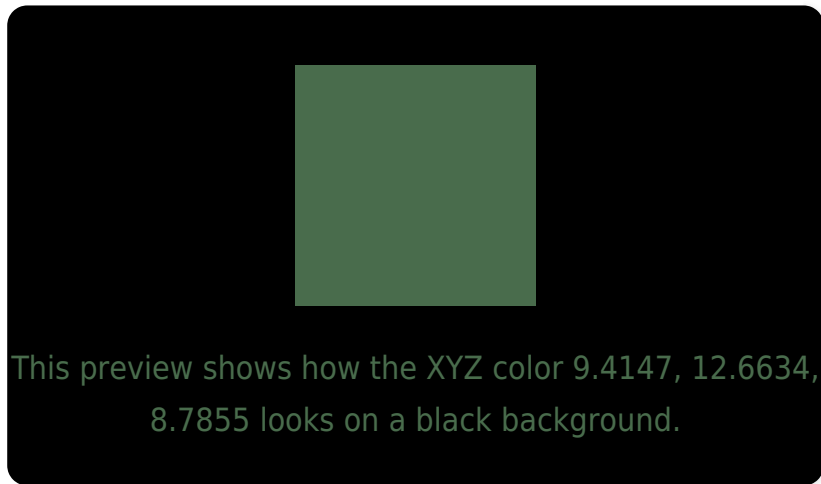
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.4147, 12.6634, 8.7855

Background



This preview shows how black text looks on a background with the XYZ color 9.4147, 12.6634, 8.7855.



This preview shows how white text looks on a background with the XYZ color 9.4147, 12.6634,

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

9.4147, 12.6634, 8.7855

Protanopia

11.6949, 12.5174, 7.9306

Deuteranopia

12.7060, 12.4619, 9.1329



Tritanopia

11.0831, 12.5758, 17.1725

Trichromacy



Original Color

9.4147, 12.6634, 8.7855

Protanomaly

10.6733, 12.4167, 8.1374

Deuteranomaly

11.1878, 12.3737, 9.0064

Tritanomaly

10.3643, 12.5818, 13.6867

Monochromacy



Original Color

9.4147, 12.6634, 8.7855

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.0199, 11.5902, 10.7259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4147, 12.6634, 8.7855 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(73, 108, 76)` looks like.

```
.text, #text, p{  
    color:rgb(73, 108, 76)  
}
```

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(73, 108, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 108, 76) }
```

Border

The CSS property to change the border of an element to XYZ 9.4147, 12.6634, 8.7855 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(73, 108, 76) }
```


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

```
.border{ border-color:rgb(73, 108, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 108, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 108, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 108, 76);  
box-shadow:4px 4px 4px 4px rgb(73, 108,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 9.4147, 12.6634, 8.7855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 108, 76) }
```

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

```
.background{ background-color: rgb(73, 108,  
76) }
```

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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