

Converting Colors

XYZ(11.9386, 15.7844, 9.8146)

Have a look what the booklet for
XYZ(11.9386, 15.7844, 9.8146)
contains.

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Color

**XYZ(11.9386, 15.7844,
9.8146)**

Conversions

Conversions Part 1

Format	Color
Hex	57774F
RGB	87, 119, 79
RGB Percent	34%, 47%, 31%
CMY	0.6588, 0.5333, 0.6902
CMYK	0.27, 0.00, 0.34, 0.53
HSL	108°, 20%, 39%
HSV	108°, 34%, 47%
XYZ	11.9386, 15.7844, 9.8146
YIQ	104.8720, -6.2320, -19.2240

Conversions

Conversions Part 2

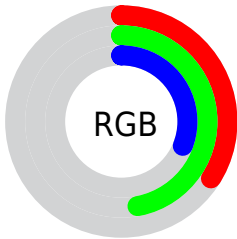
Format	Color
RYB	79, 119, 111
Decimal	5732175
CIELab	46.69, -19.81, 18.41
CIELCh	47, 27.048, 137.098
Yxy	15.7844, 0.3180, 0.4205
Android (android.graphics.Color)	4283922255 (0xFF57774F)
YUV	104.8720, -12.7549, -15.6737
Hunter-Lab	39.7296, -15.8882, 13.1640

Details

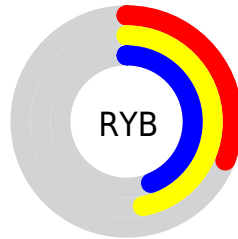
The XYZ color **11.9386, 15.7844, 9.8146** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.6820, 10.3038, 18.7740**, and the grayscale version is **13.4276, 14.1269, 15.3842**.

A 20% lighter version of the original color is **28.9404, 36.0876, 25.8624**, and **3.3540, 4.9469, 2.2915** is the 20% darker color. If you saturate the color by 10%, you get **10.7127, 15.1986, 7.6951**, and if you desaturate by 10%, it is **13.3601, 16.4631, 12.3488**.

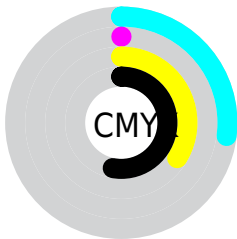
Distribution



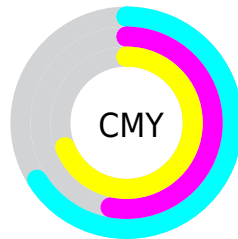
- Red (34%)
- Green (47%)
- Blue (31%)



- Red (31%)
- Yellow (47%)
- Blue (44%)



- Cyan (27%)
- Magenta (0%)
- Yellow (34%)
- Black (53%)



- Cyan (66%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9386, 15.7844, 9.8146 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 11.9386, 15.7844, 9.8146 by changing the saturation by 10% instead.

■ 11.9386, 15.7844,
9.8146

■ 11.9386, 15.7844,
9.8146

197.7766,
228.0661, 199.7802

■ 6.7738, 9.3717,
5.1722

■ 29.0011, 36.2235,
26.0485

■ 3.3661, 4.9844,
2.2882

■ 41.6294, 51.0187,
38.4772

■ 1.3502, 2.2381,
0.7246

■ 57.4763, 69.3769,
54.3383

■ 0.2203, 0.7407,
0.0000

■ 76.9071, 91.6824,
74.0504

■ 0.0000, 0.0000,
0.0000

■ 100.2872,
118.3197, 98.0322

127.9819,

149.6732, 126.7020

160.3566,
186.1272, 160.4785

■ 11.9386, 15.7844,
9.8146

■ 11.9386, 15.7844,
9.8146

■ 10.7127, 15.1986,
7.6951

■ 13.3601, 16.4631,
12.3488

■ 9.6726, 14.6995,
5.9672

■ 14.9842, 17.2363,
15.3170

■ 8.8093, 14.2837,
4.6072

■ 16.8189, 18.1083,
18.7387

■ 8.1125, 13.9463,
3.5885

■ 18.8715, 19.0824,
22.6317

■ 7.5709, 13.6822,
2.8806

■ 21.1490, 20.1619,
27.0129

■ 7.1706, 13.4851,
2.4432

■ 23.6578, 21.3497,
31.8985

■ 6.9690, 13.3860,
2.2165

■ 26.4045, 22.6488,
37.3038

■ 29.3949, 24.0621,
43.2436

■ 32.6351, 25.5922,
49.7319

Harmonies

Analogous

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



13.7167, 15.7844, 7.5689



11.9386, 15.7844, 9.8146



11.0258, 15.7844, 14.4636

Triad

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



11.9386, 15.7844, 9.8146



14.0190, 15.7844, 33.0801



19.7337, 15.7844, 13.6655

Complementary

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



11.9386, 15.7844, 9.8146



12.6820, 10.3038, 18.7740

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.



19.8363, 15.7844, 20.2314



11.9386, 15.7844, 9.8146



16.3665, 15.7844, 32.7033

Square

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



11.9386, 15.7844, 9.8146



12.1400, 15.7844, 28.4759



18.5505, 15.7844, 27.5509



18.2832, 15.7844, 9.3620

Rectangle

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



11.9386, 15.7844, 9.8146



10.9614, 15.7844, 18.8306



18.5505, 15.7844, 27.5509



19.9319, 15.7844, 15.6411

Sweetspot

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



11.9390, 15.7851, 9.8149



27.8923, 31.3686, 29.3937



14.7041, 15.8560, 9.6829



6.5238, 7.3930, 6.8056



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.9390, 15.7851, 9.8149



19.7204, 27.4726, 14.6961



11.7101, 15.6120, 12.2941



3.7028, 4.1302, 3.9443



7.3969, 14.2176, 2.3544



35.4687, 68.9865, 11.4463

Inverse Universe

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



12.6820, 10.3038, 18.7740



21.2524, 16.1211, 33.2446



13.0581, 10.5759, 15.2636



3.7584, 3.7227, 4.6107



8.5664, 4.0075, 18.8646



41.0392, 19.1650, 91.8965

Previews

White Background



This preview shows how the XYZ color 11.9386, 15.7844, 9.8146 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 11.9386, 15.7844, 9.8146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

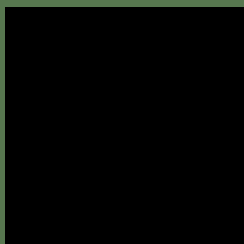
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9386, 15.7844, 9.8146

Background



This preview shows how black text looks on a background with the XYZ color 11.9386, 15.7844, 9.8146.

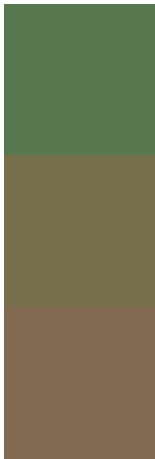


This preview shows how white text looks on a background with the XYZ color 11.9386, 15.7844,

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

11.9386, 15.7844, 9.8146

Protanopia

14.4537, 15.5818, 8.9024

Deuteranopia

15.8829, 15.6631, 10.1688



Tritanopia

14.2086, 15.8444, 21.0483

Trichromacy



Original Color

11.9386, 15.7844, 9.8146

Protanomaly

13.2730, 15.4579, 9.1216

Deuteranomaly

14.1091, 15.5404, 10.0405

Tritanomaly

13.2136, 15.7765, 16.2586

Monochromacy



Original Color

11.9386, 15.7844, 9.8146

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7243, 14.5931, 13.2124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9386, 15.7844, 9.8146 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(87, 119, 79)` looks like.

```
.text, #text, p{  
    color:rgb(87, 119, 79)  
}
```

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(87, 119, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 119, 79) }
```

Border

The CSS property to change the border of an element to XYZ 11.9386, 15.7844, 9.8146 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(87, 119, 79) }
```


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

```
.border{ border-color:rgb(87, 119, 79) }
```

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

Here you see how a box with a 4 pixel rgb(87, 119, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 119, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 119, 79);  
box-shadow:4px 4px 4px 4px rgb(87, 119,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9386, 15.7844, 9.8146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 119, 79) }
```

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

```
.background{ background-color: rgb(87, 119,  
79) }
```

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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