

Converting Colors

XYZ(11.7974, 13.7381, 9.4756)

Have a look what the booklet for
XYZ(11.7974, 13.7381, 9.4756)
contains.

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Color

**XYZ(11.8146, 13.7326,
9.4251)**

Conversions

Conversions Part 1

Format	Color
Hex	636B4F
RGB	99, 107, 79
RGB Percent	39%, 42%, 31%
CMY	0.6118, 0.5804, 0.6902
CMYK	0.07, 0.00, 0.26, 0.58
HSL	77°, 15%, 36%
HSV	77°, 26%, 42%
XYZ	11.8146, 13.7326, 9.4251
YIQ	101.4160, 4.2200, -10.4040

Conversions

Conversions Part 2

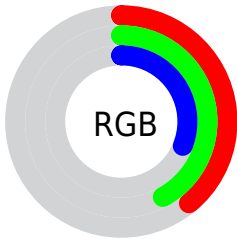
Format	Color
R_{YB}	79, 107, 87
Decimal	6515535
CIE Lab	43.85, -8.43, 14.71
CIE LCh	44, 16.955, 119.803
Yxy	13.7326, 0.3378, 0.3927
Android (android.graphics.Color)	4284705615 (0xFF636B4F)
YUV	101.4160, -11.0511, -2.1188
Hunter-Lab	37.0575, -7.9417, 10.8606

Details

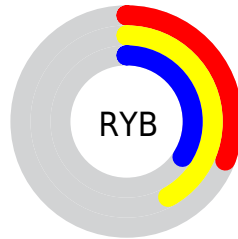
The XYZ color **11.8146, 13.7326, 9.4251** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.3809, 8.6801, 15.0917**, and the grayscale version is **12.5046, 13.1558, 14.3267**.

A 20% lighter version of the original color is **28.7008, 32.4963, 25.1818**, and **3.3208, 4.0773, 2.1253** is the 20% darker color. If you saturate the color by 10%, you get **11.1284, 13.4207, 7.5210**, and if you desaturate by 10%, it is **12.5769, 14.0773, 11.6607**.

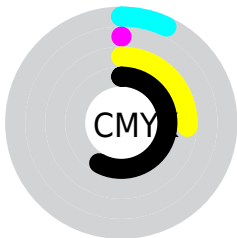
Distribution



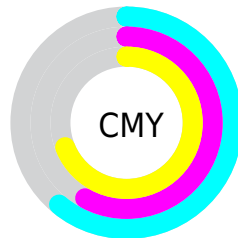
- Red (39%)
- Green (42%)
- Blue (31%)



- Red (31%)
- Yellow (42%)
- Blue (34%)



- Cyan (7%)
- Magenta (0%)
- Yellow (26%)
- Black (58%)



- Cyan (61%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8146, 13.7326, 9.4251 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 11.8146, 13.7326, 9.4251 by changing the saturation by 10% instead.

■ 11.8146, 13.7326,
9.4251

■ 11.8146, 13.7326,
9.4251

196.9691,
215.5609, 196.8516

■ 6.6889, 7.9349,
4.9189

■ 28.7768, 32.6138,
25.2991

■ 3.3129, 4.0533,
2.1418

■ 41.3439, 46.4661,
37.5040

■ 1.3213, 1.7034,
0.6405

■ 57.1223, 63.7721,
53.1121

■ 0.1991, 0.4259,
0.0000

■ 76.4771, 84.9162,
72.5422

■ 0.0000, 0.0000,
0.0000

■ 99.7739, 110.2827,
96.2126

127.3779,

140.2560, 124.5419

159.6545,
175.2207, 157.9487

■ 11.8146, 13.7326,
9.4251

■ 11.8146, 13.7326,
9.4251

■ 11.1284, 13.4207,
7.5210

■ 12.5769, 14.0773,
11.6607

■ 10.5141, 13.1386,
5.9317

■ 13.4171, 14.4542,
14.2415

■ 9.9687, 12.8854,
4.6405

■ 14.3384, 14.8650,
17.1819

■ 9.4884, 12.6597,
3.6286

■ 15.3434, 15.3109,
20.4948

■ 9.0692, 12.4598,
2.8752

■ 16.4346, 15.7927,
24.1926

■ 8.7064, 12.2839,
2.3566

■ 17.6143, 16.3114,
28.2873

■ 8.3892, 12.1276,
2.0164

■ 18.8849, 16.8681,
32.7901

■ 8.2722, 12.0699,
1.8937

■ 20.2485, 17.4635,
37.7119

■ 21.7072, 18.0985,
43.0633

Harmonies

Analogous

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



13.0613, 13.7326, 8.7265



11.8146, 13.7326, 9.4251



10.9520, 13.7326, 11.5430

Triad

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



11.8146, 13.7326, 9.4251



11.8002, 13.7326, 22.2706



15.7990, 13.7326, 14.9779

Complementary

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



11.8146, 13.7326, 9.4251



9.3809, 8.6801, 15.0917

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.



15.4056, 13.7326, 18.9747



11.8146, 13.7326, 9.4251



13.0436, 13.7326, 23.6007

Square

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



11.8146, 13.7326, 9.4251



10.9441, 13.7326, 18.9232



14.3738, 13.7326, 22.3038



15.4155, 13.7326, 11.5801

Rectangle

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



11.8146, 13.7326, 9.4251



10.6797, 13.7326, 13.6851



14.3738, 13.7326, 22.3038



15.7528, 13.7326, 16.2957

Sweetspot

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



11.8150, 13.7332, 9.4254



23.7028, 25.7371, 24.4978



10.8780, 10.4964, 8.8500



5.6914, 6.2091, 5.7879



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.



11.8150, 13.7332, 9.4254



20.4375, 24.2638, 14.8599



10.4218, 13.0150, 9.3602



3.2530, 3.5422, 3.3297



10.0326, 14.6672, 2.3023



50.2351, 74.2793, 11.6897

Inverse Universe

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



9.3809, 8.6801, 15.0917



15.3368, 13.6720, 26.7383



10.8097, 9.4167, 15.1586



3.0222, 3.0632, 3.8668



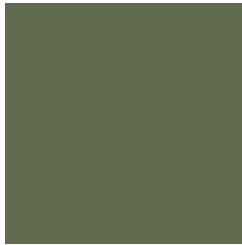
3.8726, 1.6234, 17.0315



18.9738, 7.8810, 86.7474

Previews

White Background



This preview shows how the XYZ color 11.8146, 13.7326, 9.4251 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 11.8146, 13.7326, 9.4251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

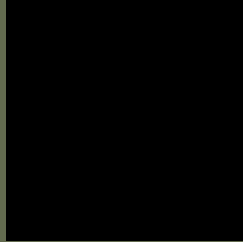
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

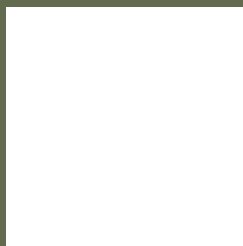
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8146, 13.7326, 9.4251

Background



This preview shows how black text looks on a background with the XYZ color 11.8146, 13.7326, 9.4251.



This preview shows how white text looks on a background with the XYZ color 11.8146, 13.7326,

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

11.8146, 13.7326, 9.4251

Protanopia

12.7453, 13.6158, 8.9775

Deuteranopia

13.8322, 13.5827, 9.6773



Tritanopia

13.3130, 13.7318, 16.9877

Trichromacy



Original Color

11.8146, 13.7326, 9.4251

Protanomaly

12.3889, 13.5765, 9.1753

Deuteranomaly

13.0094, 13.5926, 9.5274

Tritanomaly

12.6819, 13.6263, 13.7661

Monochromacy



Original Color

11.8146, 13.7326, 9.4251

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.0816, 13.2001, 12.2670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8146, 13.7326, 9.4251 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(99, 107, 79) looks like.

```
.text, #text, p{  
    color:rgb(99, 107, 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(99, 107, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 107, 79) }
```

Border

The CSS property to change the border of an element to XYZ 11.8146, 13.7326, 9.4251 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(99, 107, 79) }
```


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

```
.border{ border-color:rgb(99, 107, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 107, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 107, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 107, 79);  
box-shadow:4px 4px 4px 4px rgb(99, 107,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8146, 13.7326, 9.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 107, 79) }
```

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

```
.background{ background-color: rgb(99, 107,  
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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