

# Converting Colors

XYZ(18.2557, 14.7764, 19.0482)

Have a look what the booklet for  
XYZ(18.2557, 14.7764, 19.0482)  
contains.

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# Color

**XYZ(18.2525, 14.7131,  
19.0174)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8E5C76
RGB	142, 92, 118
RGB Percent	56%, 36%, 46%
CMY	0.4431, 0.6392, 0.5373
CMYK	0.00, 0.35, 0.17, 0.44
HSL	329°, 21%, 46%
HSV	329°, 35%, 56%
XYZ	18.2525, 14.7131, 19.0174
YIQ	109.9140, 21.4540, 18.6860

# Conversions

## Conversions Part 2

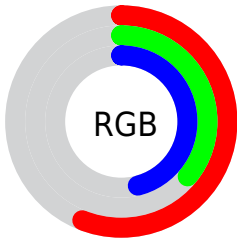
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 92, 118
Decimal	9329782
CIE <sub>Lab</sub>	45.24, 24.51, -6.21
CIE <sub>LCh</sub>	45, 25.283, 345.777
Yxy	14.7131, 0.3511, 0.2830
Android (android.graphics.Color)	4287519862 (0xFF8E5C76)
YUV	109.9140, 3.9864, 28.1394
Hunter-Lab	38.3577, 17.8134, -2.5451

# Details

The XYZ color **18.2525, 14.7131, 19.0174** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.2397, 22.8827, 20.0323**, and the grayscale version is **14.7814, 15.5512, 16.9352**.

A 20% lighter version of the original color is **40.1041, 34.4175, 42.5597**, and **6.3583, 4.5431, 6.3361** is the 20% darker color. If you saturate the color by 10%, you get **16.7453, 12.3235, 16.5882**, and if you desaturate by 10%, it is **20.0205, 17.5769, 21.6783**.

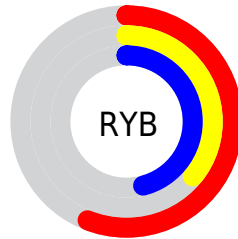
# Distribution



Red (56%)

Green (36%)

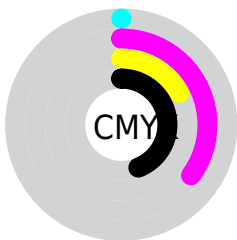
Blue (46%)



Red (56%)

Yellow (36%)

Blue (46%)

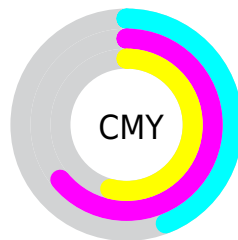


Cyan (0%)

Magenta (35%)

Yellow (17%)

Black (44%)



Cyan (44%)

Magenta (64%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2525, 14.7131, 19.0174 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 18.2525, 14.7131, 19.0174 by changing the saturation by 10% instead.



■ 18.2525, 14.7131,  
19.0174

■ 18.2525, 14.7131,  
19.0174

235.3086,  
221.6231, 258.9707

■ 11.2322, 8.6183,  
11.5059

■ 39.9938, 34.3491,  
42.6006

■ 6.2917, 4.4931,  
6.2898

■ 55.4456, 48.6590,  
59.5094

■ 3.0656, 1.9530,  
2.9504

■ 74.4385, 66.4762,  
80.3877

■ 1.1885, 0.5800,  
1.0694

■ 97.3380, 88.1848,  
105.6540

■ 0.0973, 0.0000,  
0.0000

124.5094,  
114.1695, 135.7270

■ 0.0000, 0.0000,  
0.0000

156.3181,

144.8145, 171.0250

193.1293,  
180.5042, 211.9668

■ 18.2525, 14.7131,  
19.0174

■ 18.2525, 14.7131,  
19.0174

■ 16.7453, 12.3235,  
16.5882

■ 20.0205, 17.5769,  
21.6783

■ 15.4839, 10.3800,  
14.3823

■ 22.0604, 20.9370,  
24.5770

■ 14.4541, 8.8547,  
12.3918

■ 24.3843, 24.8165,  
27.7208


■ 13.6394, 7.7157,  
10.6080

■ 27.0033, 29.2363,  
31.1158


■ 13.0207, 6.9261,  
9.0213


■ 29.9276, 34.2163,  
34.7684


 12.5724, 6.4358,  
7.6196

 33.1672, 39.7755,  
38.6844

 12.3859, 6.2430,  
7.0018

 36.7314, 45.9317,  
42.8696

 40.6292, 52.7021,  
47.3294

 44.8693, 60.1033,  
52.0692

# Harmonies

## Analogous

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



17.0663, 14.7131, 25.4620



18.2525, 14.7131, 19.0174



18.2188, 14.7131, 13.0903

# Triad

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



18.2525, 14.7131, 19.0174



12.9200, 14.7131, 7.3011



11.3647, 14.7131, 25.7636

# Complementary

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



18.2525, 14.7131, 19.0174



17.2397, 22.8827, 20.0323

# 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.



10.4628, 14.7131, 19.3572



18.2525, 14.7131, 19.0174



11.2978, 14.7131, 9.2593

# Square

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



18.2525, 14.7131, 19.0174



14.9951, 14.7131, 7.2534



10.4396, 14.7131, 13.3555



13.0201, 14.7131, 29.9657



# Rectangle

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



18.2525, 14.7131, 19.0174



17.5045, 14.7131, 10.1898



10.4396, 14.7131, 13.3555



10.9710, 14.7131, 23.7342

# Sweetspot

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



18.2529, 14.7138, 19.0177



40.4713, 39.5314, 45.4933



15.8244, 13.2756, 27.3198



8.9351, 8.6558, 10.0190



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021



# Same Dimension

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



18.2529, 14.7138, 19.0177



30.1098, 22.6435, 30.2165



16.9885, 14.2080, 12.3593



5.5186, 5.4680, 6.2290



11.1300, 5.6090, 6.3358



0.1176, 0.0581, 0.1192



# Inverse Universe

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



18.2529, 14.7138, 19.0177



30.1098, 22.6435, 30.2165



18.8454, 23.5250, 28.4878



5.5186, 5.4680, 6.2290



11.1300, 5.6090, 6.3358

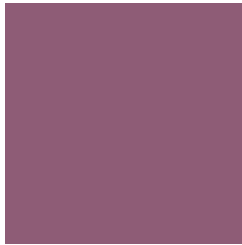


0.1176, 0.0581, 0.1192



# Previews

## White Background



This preview shows how the XYZ color 18.2525, 14.7131, 19.0174 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

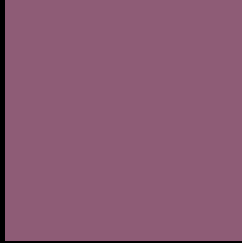
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 18.2525, 14.7131, 19.0174 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

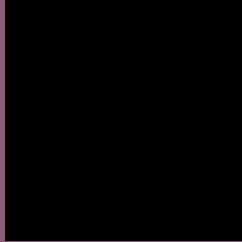
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# XYZ 18.2525, 14.7131, 19.0174

## Background



This preview shows how black text looks on a background with the XYZ color 18.2525, 14.7131, 19.0174.



This preview shows how white text looks on a background with the XYZ color 18.2525, 14.7131,



# 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

18.2525, 14.7131, 19.0174

### Protanopia

14.6820, 14.9313, 22.1869

### Deuteranopia

15.0421, 14.7390, 18.5751



## Tritanopia

17.3057, 14.7192, 14.4993

# Trichromacy



## Original Color

18.2525, 14.7131, 19.0174

## Protanomaly

15.7256, 14.7399, 21.0850

## Deuteranomaly

16.0802, 14.6838, 18.8164

## Tritanomaly

17.6940, 14.7508, 16.1020

# Monochromacy



## Original Color

18.2525, 14.7131, 19.0174

## Achromatopsia

14.8208, 15.5926, 16.9804

## Achromatomaly

15.8569, 15.0303, 17.6882

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 18.2525, 14.7131, 19.0174 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(142, 92, 118)` looks like.

```
.text, #text, p{  
    color:rgb(142, 92, 118)  
}
```

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(142, 92, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 92, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 18.2525, 14.7131, 19.0174 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(142, 92, 118) }
```



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

```
.border{ border-color:rgb(142, 92, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 92, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 92, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 92, 118);  
box-shadow:4px 4px 4px 4px rgb(142, 92,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 18.2525, 14.7131, 19.0174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 92, 118) }
```

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

```
.background{ background-color: rgb(142, 92,  
118) }
```

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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