

# Converting Colors

XYZ(9.6186, 14.2875, 9.7946)

Have a look what the booklet for  
XYZ(9.6186, 14.2875, 9.7946)  
contains.

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# Color

**XYZ(9.6129, 14.2316,  
9.8297)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3B7550
RGB	59, 117, 80
RGB Percent	23%, 46%, 31%
CMY	0.7686, 0.5412, 0.6863
CMYK	0.50, 0.00, 0.32, 0.54
HSL	142°, 33%, 35%
HSV	142°, 50%, 46%
XYZ	9.6129, 14.2316, 9.8297
YIQ	95.4400, -22.6910, -23.8030

# Conversions

## Conversions Part 2

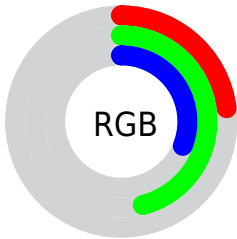
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 102, 117
Decimal	3896656
CIELab	44.56, -28.09, 14.70
CIELCh	45, 31.705, 152.379
Yxy	14.2316, 0.2855, 0.4226
Android (android.graphics.Color)	4282086736 (0xFF3B7550)
YUV	95.4400, -7.6119, -31.9579
Hunter-Lab	37.7248, -20.5336, 10.9586

# Details

The XYZ color **9.6129, 14.2316, 9.8297** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.0119, 7.7547, 11.9834**, and the grayscale version is **11.0049, 11.5780, 12.6084**.

A 20% lighter version of the original color is **24.7676, 33.6494, 25.9585**, and **2.3955, 4.2685, 2.2878** is the 20% darker color. If you saturate the color by 10%, you get **8.7351, 13.8096, 8.4283**, and if you desaturate by 10%, it is **10.6776, 14.7472, 11.4005**.

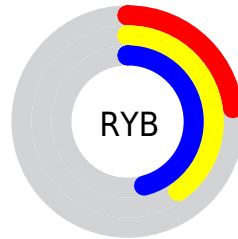
# Distribution



Red (23%)

Green (46%)

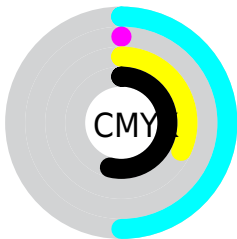
Blue (31%)



Red (23%)

Yellow (40%)

Blue (46%)

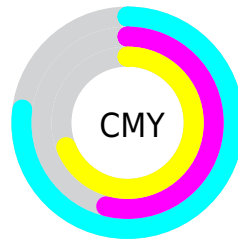


Cyan (50%)

Magenta (0%)

Yellow (32%)

Black (54%)



Cyan (77%)

Magenta (54%)

Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6129, 14.2316, 9.8297 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 9.6129, 14.2316, 9.8297 by changing the saturation by 10% instead.



■ 9.6129, 14.2316,  
9.8297

■ 9.6129, 14.2316,  
9.8297

181.9985,  
218.6669, 199.8927

■ 5.2033, 8.2819,  
5.1821

■ 24.7212, 33.4994,  
26.0775

■ 2.4030, 4.2759,  
2.2939

■ 36.1506, 47.5863,  
38.5147

■ 0.8466, 1.8290,  
0.7278

■ 50.6507, 65.1544,  
54.3855

■ 0.0000, 0.5052,  
0.0000

■ 68.5868, 86.5882,  
74.1085

■ 0.0000, 0.0000,  
0.0000

■ 90.3242, 112.2719,  
98.1022

■ 116.2284,

142.5900, 126.7851

146.6647,  
177.9268, 160.5757

■ 9.6129, 14.2316,  
9.8297

■ 9.6129, 14.2316,  
9.8297

■ 8.7351, 13.8096,  
8.4283

■ 10.6776, 14.7472,  
11.4005

■ 8.0315, 13.4736,  
7.1895

■ 11.9386, 15.3600,  
13.1451

■ 7.4897, 13.2176,  
6.1075


■ 13.4059, 16.0753,  
15.0691


■ 7.0949, 13.0343,  
5.1759


■ 15.0886, 16.8979,  
17.1775


■ 6.7980, 12.8985,  
4.3863


■ 16.9952, 17.8319,  
19.4750

 6.7860, 12.8929,  
4.3555

 19.1336, 18.8813,  
21.9662

 21.5115, 20.0501,  
24.6557

 24.1362, 21.3419,  
27.5476

 27.0145, 22.7601,  
30.6462

# Harmonies

## Analogous

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



11.0553, 14.2316, 6.3707



9.6129, 14.2316, 9.8297



9.1758, 14.2316, 16.0891

# Triad

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



9.6129, 14.2316, 9.8297



13.7323, 14.2316, 34.3098



18.1305, 14.2316, 9.0994

# Complementary

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



9.6129, 14.2316, 9.8297



11.0119, 7.7547, 11.9834

# 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.



19.0728, 14.2316, 14.9173



9.6129, 14.2316, 9.8297



16.3414, 14.2316, 30.7343

# Square

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



9.6129, 14.2316, 9.8297



11.3680, 14.2316, 31.6685



18.3804, 14.2316, 23.0043



15.9428, 14.2316, 6.0522



# Rectangle

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



9.6129, 14.2316, 9.8297



9.4620, 14.2316, 21.5150



18.3804, 14.2316, 23.0043



18.6151, 14.2316, 10.7191

# Sweetspot

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



9.6133, 14.2322, 9.8300



25.2183, 29.3776, 28.5227



12.0491, 15.5640, 6.5069



5.6864, 6.6998, 6.4169



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757



# Same Dimension

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



9.6133, 14.2322, 9.8300



15.5083, 24.6641, 14.8685



10.8882, 14.7421, 16.5435



3.6904, 4.1181, 4.2033



7.4693, 14.2017, 4.7617



36.0204, 69.0554, 21.2106



# Inverse Universe

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



11.0119, 7.7547, 11.9834



18.3089, 11.6613, 19.1562



9.9348, 7.3238, 6.3112



3.7730, 3.7365, 4.3316



9.4610, 4.7181, 7.6356



45.6832, 22.8234, 34.9906



# Previews

## White Background



This preview shows how the XYZ color 9.6129, 14.2316, 9.8297 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

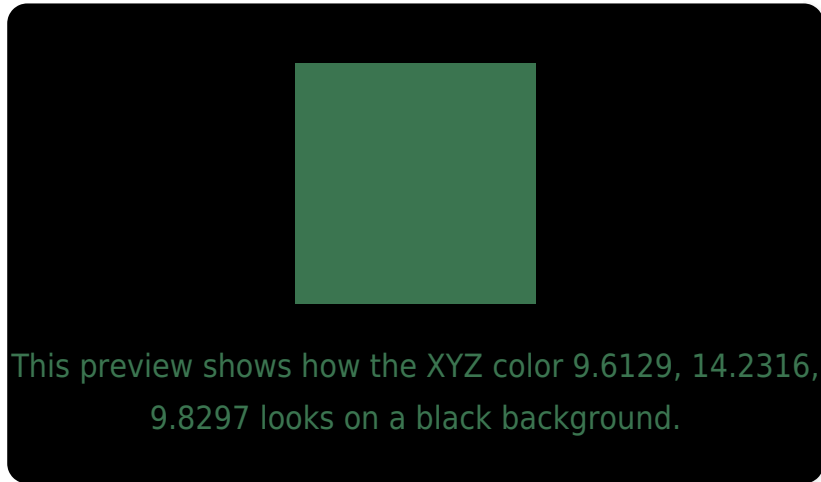
Any Text WCAG AA ✓ Pass

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 9.6129, 14.2316, 9.8297**

## **Background**



This preview shows how black text looks on a background with the XYZ color 9.6129, 14.2316, 9.8297.



This preview shows how white text looks on a background with the XYZ color 9.6129, 14.2316,



# 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

9.6129, 14.2316, 9.8297

### Protanopia

13.1316, 14.1219, 8.6903

### Deuteranopia

14.2800, 14.0850, 10.3536



## Tritanopia

11.6996, 14.2340, 20.2200

# Trichromacy



## Original Color

9.6129, 14.2316, 9.8297

## Protanomaly

11.3224, 13.8003, 9.0881

## Deuteranomaly

11.9646, 13.7926, 10.2152

## Tritanomaly

10.7988, 14.1991, 15.8072

# Monochromacy



## Original Color

9.6129, 14.2316, 9.8297

## Achromatopsia

10.8771, 11.4435, 12.4620

## Achromatomaly

10.1754, 12.2325, 11.4977

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 9.6129, 14.2316, 9.8297 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(59, 117, 80)` looks like.

```
.text, #text, p{  
    color:rgb(59, 117, 80)  
}
```

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(59, 117, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 117, 80) }
```

## Border

The CSS property to change the border of an element to XYZ 9.6129, 14.2316, 9.8297 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(59, 117, 80) }
```



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

```
.border{ border-color:rgb(59, 117, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 117, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 117, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 117, 80);  
box-shadow:4px 4px 4px 4px rgb(59, 117,  
80) }
```

# Background

The CSS property to change the background color of an element to XYZ 9.6129, 14.2316, 9.8297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 117, 80) }
```

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

```
.background{ background-color: rgb(59, 117,  
80) }
```

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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