

# Converting Colors

XYZ(23.6707, 29.7194, 18.1875)

Have a look what the booklet for  
XYZ(23.6707, 29.7194, 18.1875)  
contains.

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# Color

**XYZ(23.7118, 29.8217,  
18.1421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	819D6A
RGB	129, 157, 106
RGB Percent	51%, 62%, 42%
CMY	0.4941, 0.3843, 0.5843
CMYK	0.18, 0.00, 0.32, 0.38
HSL	93°, 21%, 52%
HSV	93°, 32%, 62%
XYZ	23.7118, 29.8217, 18.1421
YIQ	142.8140, -0.3170, -21.7970

# Conversions

## Conversions Part 2

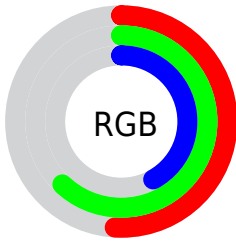
<b>Format</b>	<b>Color</b>
<b>RYB</b>	106, 157, 134
Decimal	8494442
CIELab	61.50, -19.29, 23.57
CIElCh	62, 30.457, 129.305
Yxy	29.8217, 0.3308, 0.4161
Android (android.graphics.Color)	4286684522 (0xFF819D6A)
YUV	142.8140, -18.1493, -12.1149
Hunter-Lab	54.6092, -18.0600, 18.5294

# Details

The XYZ color **23.7118, 29.8217, 18.1421** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.0726, 17.8116, 34.2272**, and the grayscale version is **26.1051, 27.4646, 29.9090**.

A 20% lighter version of the original color is **49.2435, 59.6229, 41.2607**, and **9.1422, 12.2758, 5.8906** is the 20% darker color. If you saturate the color by 10%, you get **21.7145, 28.8788, 14.1699**, and if you desaturate by 10%, it is **25.9706, 30.8839, 22.9081**.

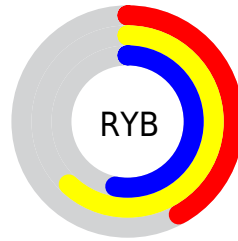
# Distribution



Red (51%)

Green (62%)

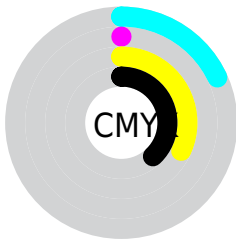
Blue (42%)



Red (42%)

Yellow (62%)

Blue (53%)

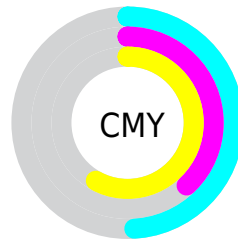


Cyan (18%)

Magenta (0%)

Yellow (32%)

Black (38%)



Cyan (49%)

Magenta (38%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7118, 29.8217, 18.1421 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 23.7118, 29.8217, 18.1421 by changing the saturation by 10% instead.



■ 23.7118, 29.8217,  
18.1421

■ 23.7118, 29.8217,  
18.1421

263.8278,  
301.0725, 253.9337

■ 15.2435, 19.7033,  
10.8816

■ 49.0176, 59.3801,  
41.0965

■ 9.0779, 12.1796,  
5.8741

■ 66.5859, 79.5889,  
57.6275

■ 4.8496, 6.8661,  
2.7011

■ 87.9182, 103.9299,  
78.0856

■ 2.1931, 3.3785,  
0.9440

■ 113.3799,  
132.7875, 102.8896

■ 0.7391, 1.3324,  
0.0000

143.3363,  
166.5462, 132.4578

■ 0.0000, 0.1661,  
0.0000

178.1529,

■ 0.0000, 0.0000,

205.5904, 167.2089

0.0000

218.1949,  
250.3043, 207.5614

■ 23.7118, 29.8217,  
18.1421

■ 23.7118, 29.8217,  
18.1421

■ 21.7145, 28.8788,  
14.1699

■ 25.9706, 30.8839,  
22.9081

■ 19.9656, 28.0467,  
10.9465

■ 28.4989, 32.0660,  
28.5058

■ 18.4540, 27.3217,  
8.4252


■ 31.3069, 33.3734,  
34.9732


■ 17.1668, 26.6983,  
6.5533


■ 34.4037, 34.8099,  
42.3450


■ 16.0897, 26.1703,  
5.2708

■ 37.7980, 36.3793,  
50.6543


 15.2058, 25.7306,  
4.5065

 41.4979, 38.0851,  
59.9325

 14.6415, 25.4472,  
4.1401

 45.5114, 39.9309,  
70.2095

 49.8461, 41.9197,  
81.5139

 54.5092, 44.0550,  
93.8731

# Harmonies

## Analogous

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



27.1095, 29.8217, 15.1185



23.7118, 29.8217, 18.1421



21.6931, 29.8217, 25.2393

# Triad

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



23.7118, 29.8217, 18.1421



25.6922, 29.8217, 57.9852



36.7044, 29.8217, 29.0114

# Complementary

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



23.7118, 29.8217, 18.1421



21.0726, 17.8116, 34.2272

# 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.



36.2333, 29.8217, 40.9663



23.7118, 29.8217, 18.1421



29.6168, 29.8217, 59.6802

# Square

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



23.7118, 29.8217, 18.1421



22.7589, 29.8217, 48.6639



33.5447, 29.8217, 52.8598



34.7768, 29.8217, 20.3390



# Rectangle

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



23.7118, 29.8217, 18.1421



21.2777, 29.8217, 32.2022



33.5447, 29.8217, 52.8598



36.8251, 29.8217, 32.7408

# Sweetspot

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



23.7126, 29.8230, 18.1427



52.1439, 57.9408, 53.5633



24.9222, 25.0397, 17.1557



11.3350, 12.6847, 11.4704



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694



# Same Dimension

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



23.7126, 29.8230, 18.1427



39.8196, 52.1584, 27.1839



20.6926, 28.2558, 18.4676



6.8206, 7.5402, 7.0816



11.9326, 20.6882, 3.3643



0.2615, 0.3947, 0.0624



# Inverse Universe

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



21.0726, 17.8116, 34.2272



34.3366, 27.2238, 60.5717



25.0015, 19.8536, 33.6586



6.6153, 6.6057, 8.3330



8.1180, 3.6140, 26.1769



0.1935, 0.0896, 0.4703



# Previews

## White Background



This preview shows how the XYZ color 23.7118, 29.8217, 18.1421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

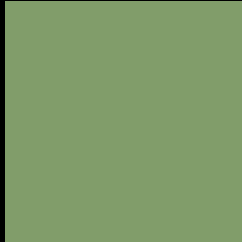
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 23.7118, 29.8217, 18.1421 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

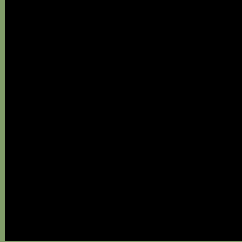
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 23.7118, 29.8217, 18.1421

## Background



This preview shows how black text looks on a background with the XYZ color 23.7118, 29.8217, 18.1421.



This preview shows how white text looks on a background with the XYZ color 23.7118, 29.8217,



# 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

23.7118, 29.8217, 18.1421

### Protanopia

27.4854, 29.6127, 16.8376

### Deuteranopia

30.1125, 29.5641, 18.5873



## **Tritanopia**

27.7445, 29.7397, 38.4605

# Trichromacy



## Original Color

23.7118, 29.8217, 18.1421

## Protanomaly

25.9092, 29.5021, 17.1609

## Deuteranomaly

27.2410, 29.2192, 18.3915

## Tritanomaly

26.1052, 29.8038, 29.9680

# Monochromacy



## Original Color

23.7118, 29.8217, 18.1421

## Achromatopsia

26.1081, 27.4677, 29.9124

## Achromatomaly

25.1004, 28.1948, 25.2383

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.7118, 29.8217, 18.1421 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(129, 157, 106)` looks like.

```
.text, #text, p{  
    color:rgb(129, 157, 106)  
}
```

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(129, 157, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 157, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 23.7118, 29.8217, 18.1421 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(129, 157, 106) }
```



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

```
.border{ border-color:rgb(129, 157, 106) }
```

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

Here you see how a box with a 4 pixel rgb(129, 157, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 157, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 157, 106);  
box-shadow:4px 4px 4px 4px rgb(129, 157,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.7118, 29.8217, 18.1421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 157, 106) }
```

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

```
.background{ background-color: rgb(129,  
157, 106) }
```

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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