

# Converting Colors

XYZ(15.9210, 24.6871, 11.7818)

Have a look what the booklet for  
XYZ(15.9210, 24.6871, 11.7818)  
contains.

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# Color

**XYZ(15.9379, 24.7128,  
11.7146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4F9851
RGB	79, 152, 81
RGB Percent	31%, 60%, 32%
CMY	0.6902, 0.4039, 0.6823
CMYK	0.48, 0.00, 0.47, 0.40
HSL	122°, 32%, 45%
HSV	122°, 48%, 60%
XYZ	15.9379, 24.7128, 11.7146
YIQ	122.0790, -20.7170, -37.5570

# Conversions

## Conversions Part 2

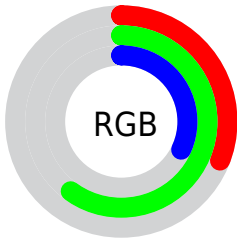
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	79, 150, 152
Decimal	5216337
CIE <sub>Lab</sub>	56.79, -38.05, 30.38
CIE <sub>LCh</sub>	57, 48.693, 141.391
Yxy	24.7128, 0.3044, 0.4719
Android (android.graphics.Color)	4283406417 (0xFF4F9851)
YUV	122.0790, -20.2519, -37.7803
Hunter-Lab	49.7120, -29.7680, 20.8267

# Details

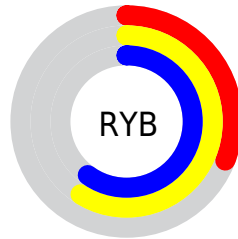
The XYZ color **15.9379, 24.7128, 11.7146** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.2507, 14.4699, 30.5279**, and the grayscale version is **18.5939, 19.5623, 21.3033**.

A 20% lighter version of the original color is **36.0824, 51.2509, 29.4634**, and **5.1552, 9.3893, 3.0540** is the 20% darker color. If you saturate the color by 10%, you get **14.3199, 23.9367, 9.0536**, and if you desaturate by 10%, it is **17.9669, 25.6883, 15.0260**.

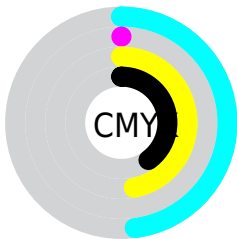
# Distribution



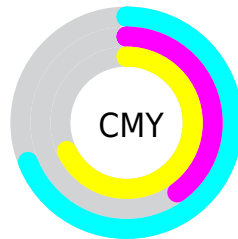
- Red (31%)
- Green (60%)
- Blue (32%)



- Red (31%)
- Yellow (59%)
- Blue (60%)



- Cyan (48%)
- Magenta (0%)
- Yellow (47%)
- Black (40%)



- Cyan (69%)
- Magenta (40%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9379, 24.7128, 11.7146 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 15.9379, 24.7128, 11.7146 by changing the saturation by 10% instead.



■ 15.9379, 24.7128,  
11.7146

■ 15.9379, 24.7128,  
11.7146

222.2526,  
276.4046, 213.4170

■ 9.5708, 15.8632,  
6.4295

■ 36.0487, 51.1909,  
29.6308

■ 5.1754, 9.4274,  
3.0350

■ 50.5231, 69.5882,  
43.0990

■ 2.3863, 5.0210,  
1.1125

■ 68.4306, 91.9369,  
60.1319

■ 0.8383, 2.2596,  
0.0000

■ 90.1366, 118.6214,  
81.1482

■ 0.0000, 0.7522,  
0.0000

■ 116.0064,  
150.0260, 106.5663

■ 0.0000, 0.0000,  
0.0000

146.4055,

186.5351, 136.8047

181.6991,  
228.5332, 172.2821

■ 15.9379, 24.7128,  
11.7146

■ 15.9379, 24.7128,  
11.7146

■ 14.3199, 23.9367,  
9.0536

■ 17.9669, 25.6883,  
15.0260

■ 13.0833, 23.3434,  
6.9986

■ 20.4305, 26.8724,  
19.0250

■ 12.1973, 22.9188,  
5.5026


■ 23.3524, 28.2772,  
23.7477


■ 11.6255, 22.6454,  
4.5106

■ 26.7543, 29.9132,  
29.2275


■ 11.3051, 22.4923,  
3.9490


■ 30.6564, 31.7901,  
35.4956

 11.2515, 22.4665,  
3.8631

 35.0779, 33.9172,  
42.5814

 40.0366, 36.3031,  
50.5129

 45.5499, 38.9562,  
59.3167

 51.6342, 41.8843,  
69.0182

# Harmonies

## Analogous

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



19.7218, 24.7128, 7.0127



15.9379, 24.7128, 11.7146



14.2507, 24.7128, 22.4869

# Triad

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



15.9379, 24.7128, 11.7146



21.8895, 24.7128, 71.2708



35.2132, 24.7128, 17.0254

# Complementary

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



15.9379, 24.7128, 11.7146



21.2507, 14.4699, 30.5279

# 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.



36.0450, 24.7128, 31.8737



15.9379, 24.7128, 11.7146



27.7073, 24.7128, 67.8718

# Square

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



15.9379, 24.7128, 11.7146



17.3044, 24.7128, 59.5502



33.1122, 24.7128, 51.5639



30.9947, 24.7128, 9.1047



# Rectangle

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



15.9379, 24.7128, 11.7146



14.3168, 24.7128, 33.5796



33.1122, 24.7128, 51.5639



35.9224, 24.7128, 21.1844

# Sweetspot

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



15.9385, 24.7138, 11.7152



43.3706, 50.9453, 45.3868



25.3629, 29.5808, 11.7702



9.5933, 11.4521, 9.8899



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178



# Same Dimension

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



15.9385, 24.7138, 11.7152



25.0026, 42.1181, 15.5292



17.6476, 25.3975, 20.7151



6.1387, 6.9282, 6.6537



9.4357, 18.8377, 3.2491



0.1427, 0.2823, 0.0570



# Inverse Universe

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



21.2507, 14.4699, 30.5279



35.5599, 21.7485, 52.9096



18.7990, 13.4892, 17.6177



6.4539, 6.3207, 7.7704



15.3302, 7.3863, 24.0618



0.2312, 0.1112, 0.3701



# Previews

## White Background



This preview shows how the XYZ color 15.9379, 24.7128, 11.7146 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 15.9379, 24.7128, 11.7146 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 15.9379, 24.7128, 11.7146**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.9379, 24.7128, 11.7146.



This preview shows how white text looks on a background with the XYZ color 15.9379, 24.7128,



# 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

15.9379, 24.7128, 11.7146

### Protanopia

22.4686, 24.5059, 10.2025

### Deuteranopia

24.6342, 24.1589, 12.1689



## Tritanopia

20.6090, 24.7460, 34.7006

# Trichromacy



## Original Color

15.9379, 24.7128, 11.7146

## Protanomaly

19.3247, 24.1669, 10.6673

## Deuteranomaly

20.0616, 23.4369, 11.8539

## Tritanomaly

18.4498, 24.5498, 24.1883

# Monochromacy



## Original Color

15.9379, 24.7128, 11.7146

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

16.9852, 20.9008, 17.0490

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.9379, 24.7128, 11.7146 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(79, 152, 81)` looks like.

```
.text, #text, p{  
    color:rgb(79, 152, 81)  
}
```

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(79, 152, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 152, 81) }
```

## Border

The CSS property to change the border of an element to XYZ 15.9379, 24.7128, 11.7146 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(79, 152, 81) }
```



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

```
.border{ border-color:rgb(79, 152, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 152, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 152, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 152, 81);  
box-shadow:4px 4px 4px 4px rgb(79, 152,  
81) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.9379, 24.7128, 11.7146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 152, 81) }
```

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

```
.background{ background-color: rgb(79, 152,  
81) }
```

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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