

# Converting Colors

XYZ(15.9227, 22.4726, 16.3973)

Have a look what the booklet for  
XYZ(15.9227, 22.4726, 16.3973)  
contains.

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# Color

**XYZ(15.9268, 22.5090,  
16.3372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	548F67
RGB	84, 143, 103
RGB Percent	33%, 56%, 40%
CMY	0.6706, 0.4392, 0.5961
CMYK	0.41, 0.00, 0.28, 0.44
HSL	139°, 26%, 45%
HSV	139°, 41%, 56%
XYZ	15.9268, 22.5090, 16.3372
YIQ	120.7990, -22.3240, -24.9480

# Conversions

## Conversions Part 2

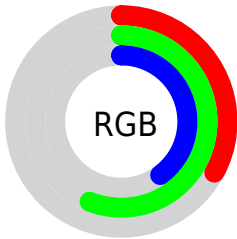
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 129, 143
Decimal	5541735
CIE <sub>Lab</sub>	54.56, -28.50, 15.38
CIE <sub>LCh</sub>	55, 32.383, 151.636
Yxy	22.5090, 0.2908, 0.4110
Android (android.graphics.Color)	4283731815 (0xFF548F67)
YUV	120.7990, -8.7749, -32.2727
Hunter-Lab	47.4437, -23.1041, 12.7941

# Details

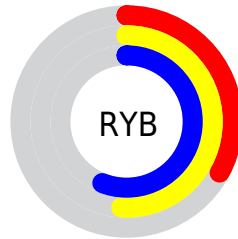
The XYZ color **15.9268, 22.5090, 16.3372** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.1369, 13.6360, 20.7458**, and the grayscale version is **18.1421, 19.0869, 20.7857**.

A 20% lighter version of the original color is **35.9523, 47.4998, 37.8453**, and **5.1682, 8.2631, 5.0639** is the 20% darker color. If you saturate the color by 10%, you get **14.3165, 21.7325, 13.8674**, and if you desaturate by 10%, it is **17.8561, 23.4447, 19.1175**.

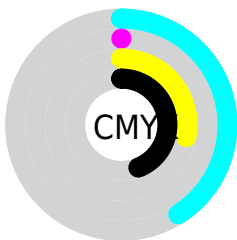
# Distribution



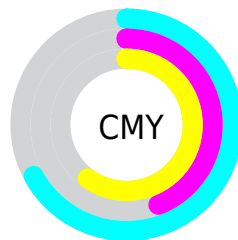
- Red (33%)
- Green (56%)
- Blue (40%)



- Red (33%)
- Yellow (51%)
- Blue (56%)



- Cyan (41%)
- Magenta (0%)
- Yellow (28%)
- Black (44%)



- Cyan (67%)
- Magenta (44%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9268, 22.5090, 16.3372 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 15.9268, 22.5090, 16.3372 by changing the saturation by 10% instead.



■ 15.9268, 22.5090,  
16.3372

■ 15.9268, 22.5090,  
16.3372

222.1883,  
265.1930, 243.2366

■ 9.5629, 14.2314,  
9.6061

■ 36.0296, 47.5858,  
37.9575

■ 5.1701, 8.2818,  
5.0364

■ 50.4991, 65.1538,  
53.6839

■ 2.3832, 4.2758,  
2.2095

■ 68.4012, 86.5874,  
73.2457

■ 0.8367, 1.8290,  
0.6799

■ 90.1013, 112.2710,  
97.0616

■ 0.0000, 0.5051,  
0.0000

■ 115.9647,  
142.5890, 125.5501

■ 0.0000, 0.0000,  
0.0000

146.3568,

177.9257, 159.1298

181.6428,  
218.6656, 198.2191

■ 15.9268, 22.5090,  
16.3372

■ 15.9268, 22.5090,  
16.3372

■ 14.3165, 21.7325,  
13.8674

■ 17.8561, 23.4447,  
19.1175

■ 13.0055, 21.1034,  
11.6957

■ 20.1190, 24.5450,  
22.2171

■ 11.9745, 20.6125,  
9.8112


■ 22.7315, 25.8186,  
25.6464


■ 11.2013, 20.2487,  
8.2015


■ 25.7080, 27.2727,  
29.4147


■ 10.6598, 19.9989,  
6.8534


■ 29.0619, 28.9141,  
33.5311

 10.3170, 19.8434,  
5.8764

 32.8061, 30.7492,  
38.0041

 36.9529, 32.7841,  
42.8423

 41.5138, 35.0247,  
48.0537

 46.5001, 37.4766,  
53.6461

# Harmonies

## Analogous

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



18.0063, 22.5090, 11.3369



15.9268, 22.5090, 16.3372



15.2646, 22.5090, 25.0715

# Triad

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



15.9268, 22.5090, 16.3372



21.5898, 22.5090, 49.7375



27.7554, 22.5090, 15.6098

# Complementary

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



15.9268, 22.5090, 16.3372



18.1369, 13.6360, 20.7458

# 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.



28.9776, 22.5090, 23.9540



15.9268, 22.5090, 16.3372



25.1823, 22.5090, 45.2320

# Square

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



15.9268, 22.5090, 16.3372



18.3092, 22.5090, 46.0779



27.9882, 22.5090, 35.0311



24.8075, 22.5090, 11.0060



# Rectangle

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



15.9268, 22.5090, 16.3372



15.6500, 22.5090, 32.4556



27.9882, 22.5090, 35.0311



28.3955, 22.5090, 17.9776

# Sweetspot

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



15.9274, 22.5099, 16.3377



40.2128, 45.9941, 45.2891



19.7815, 24.5948, 12.0924



9.0948, 10.4855, 10.2213



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844



# Same Dimension

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



15.9274, 22.5099, 16.3377



25.6905, 38.9434, 24.9173



17.6567, 23.2017, 25.4443



5.4100, 6.0562, 6.1250



9.1306, 17.5481, 5.2419



0.0965, 0.1715, 0.0988



# Inverse Universe

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



18.1369, 13.6360, 20.7458



30.2229, 20.7061, 33.9350



16.5559, 13.0036, 12.4206



5.5534, 5.4819, 6.4120



11.9314, 5.9296, 10.5558

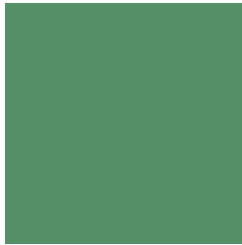


0.1242, 0.0607, 0.1541



# Previews

## White Background



This preview shows how the XYZ color 15.9268, 22.5090, 16.3372 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 15.9268, 22.5090, 16.3372 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 15.9268, 22.5090, 16.3372**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.9268, 22.5090, 16.3372.



This preview shows how white text looks on a background with the XYZ color 15.9268, 22.5090,



# 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

15.9268, 22.5090, 16.3372

### Protanopia

20.7878, 22.3173, 14.5213

### Deuteranopia

22.5651, 22.2128, 17.0081



## Tritanopia

18.9070, 22.4091, 31.3459

# Trichromacy



## Original Color

15.9268, 22.5090, 16.3372

## Protanomaly

18.5239, 22.1507, 15.1036

## Deuteranomaly

19.4570, 21.9788, 16.8525

## Tritanomaly

17.6139, 22.3048, 25.2067

# Monochromacy



## Original Color

15.9268, 22.5090, 16.3372

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

17.0719, 20.1036, 18.9002

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.9268, 22.5090, 16.3372 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(84, 143, 103)` looks like.

```
.text, #text, p{  
    color:rgb(84, 143, 103)  
}
```

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(84, 143, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 143, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 15.9268, 22.5090, 16.3372 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(84, 143, 103) }
```



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

```
.border{ border-color:rgb(84, 143, 103) }
```

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

Here you see how a box with a 4 pixel rgb(84, 143, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 143, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 143, 103);  
box-shadow:4px 4px 4px 4px rgb(84, 143,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.9268, 22.5090, 16.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 143, 103) }
```

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

```
.background{ background-color: rgb(84, 143,  
103) }
```

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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