

# Converting Colors

XYZ(16.9001, 22.5373, 17.9241)

Have a look what the booklet for  
XYZ(16.9001, 22.5373, 17.9241)  
contains.

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# Color

**XYZ(16.9013, 22.5336,  
17.9266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5E8D6D
RGB	94, 141, 109
RGB Percent	37%, 55%, 43%
CMY	0.6314, 0.4470, 0.5725
CMYK	0.33, 0.00, 0.23, 0.45
HSL	139°, 20%, 46%
HSV	139°, 33%, 55%
XYZ	16.9013, 22.5336, 17.9266
YIQ	123.2990, -17.7400, -19.9160

# Conversions

## Conversions Part 2

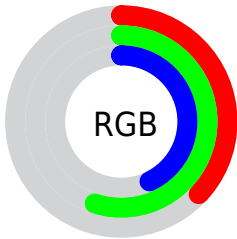
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	94, 130, 141
Decimal	6196589
CIE <sub>Lab</sub>	54.59, -23.09, 12.09
CIE <sub>LCh</sub>	55, 26.067, 152.372
Yxy	22.5336, 0.2946, 0.3928
Android (android.graphics.Color)	4284386669 (0xFF5E8D6D)
YUV	123.2990, -7.0494, -25.6952
Hunter-Lab	47.4696, -19.5177, 10.8382

# Details

The XYZ color **16.9013, 22.5336, 17.9266** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.7539, 15.1750, 21.6803**, and the grayscale version is **18.9528, 19.9398, 21.7144**.

A 20% lighter version of the original color is **37.8022, 47.7144, 40.9356**, and **5.5807, 8.2071, 5.7049** is the 20% darker color. If you saturate the color by 10%, you get **15.0966, 21.6603, 15.2903**, and if you desaturate by 10%, it is **19.0279, 23.5675, 20.8737**.

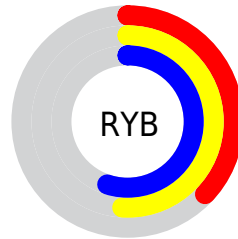
# Distribution



Red (37%)

Green (55%)

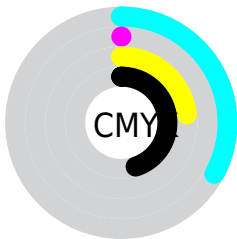
Blue (43%)



Red (37%)

Yellow (51%)

Blue (55%)

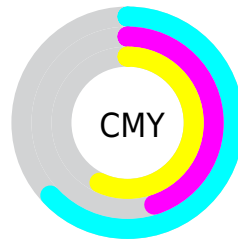


Cyan (33%)

Magenta (0%)

Yellow (23%)

Black (45%)



Cyan (63%)

Magenta (45%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9013, 22.5336, 17.9266 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 16.9013, 22.5336, 17.9266 by changing the saturation by 10% instead.



■ 16.9013, 22.5336,  
17.9266

■ 16.9013, 22.5336,  
17.9266

227.7703,  
265.3203, 252.6792

■ 10.2590, 14.2495,  
10.7284

■ 37.7009, 47.6264,  
40.7245

■ 5.6346, 8.2944,  
5.7726

■ 52.5890, 65.2038,  
57.1612

■ 2.6627, 4.2839,  
2.6408

■ 70.9564, 86.6478,  
77.5146

■ 0.9780, 1.8336,  
0.9134

■ 93.1684, 112.3428,  
102.2030

■ 0.0000, 0.5080,  
0.0000

119.5905,  
142.6732, 131.6452

■ 0.0000, 0.0000,  
0.0000

150.5879,

178.0233, 166.2596

186.5261,  
218.7775, 206.4648

■ 16.9013, 22.5336,  
17.9266

■ 16.9013, 22.5336,  
17.9266

■ 15.0966, 21.6603,  
15.2903

■ 19.0279, 23.5675,  
20.8737

■ 13.5956, 20.9368,  
12.9530

■ 21.4895, 24.7668,  
24.1397

■ 12.3815, 20.3549,  
10.9046


■ 24.3009, 26.1395,  
27.7344


■ 11.4345, 19.9050,  
9.1335


■ 27.4753, 27.6922,  
31.6667


■ 10.7325, 19.5757,  
7.6276


■ 31.0252, 29.4312,  
35.9452


 10.2494, 19.3539,  
6.3738

 34.9625, 31.3625,  
40.5781

 9.9990, 19.2401,  
5.6693

 39.2987, 33.4918,  
45.5733

 44.0447, 35.8246,  
50.9386

 49.2109, 38.3661,  
56.6815

# Harmonies

## Analogous

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



18.6034, 22.5336, 13.4836



16.9013, 22.5336, 17.9266



16.3749, 22.5336, 25.1935

# Triad

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



16.9013, 22.5336, 17.9266



21.6461, 22.5336, 43.8981



26.4113, 22.5336, 17.0254

# Complementary

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



16.9013, 22.5336, 17.9266



18.7539, 15.1750, 21.6803

# 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.



27.4017, 22.5336, 23.8886



16.9013, 22.5336, 17.9266



24.5021, 22.5336, 40.4042

# Square

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



16.9013, 22.5336, 17.9266



18.9649, 22.5336, 41.3208



26.6741, 22.5336, 32.5962



24.0730, 22.5336, 13.0506



# Rectangle

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



16.9013, 22.5336, 17.9266



16.7198, 22.5336, 31.0381



26.6741, 22.5336, 32.5962



26.9218, 22.5336, 19.0107

# Sweetspot

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



16.9019, 22.5345, 17.9271



39.9847, 45.0842, 45.1725



20.1675, 24.3035, 14.2180



8.7967, 10.0043, 9.9166



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.



16.9019, 22.5345, 17.9271



27.7829, 39.1503, 28.4998



18.3329, 23.1069, 25.4624



5.4094, 6.0560, 6.1217



9.1234, 17.5452, 5.2039



0.0964, 0.1714, 0.0981



# Inverse Universe

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



18.7539, 15.1750, 21.6803



31.6241, 23.8712, 36.2731



17.4169, 14.6402, 14.6396



5.5540, 5.4821, 6.4154



11.9484, 5.9364, 10.6455



0.1243, 0.0608, 0.1548



# Previews

## White Background



This preview shows how the XYZ color 16.9013, 22.5336, 17.9266 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 16.9013, 22.5336, 17.9266 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 16.9013, 22.5336, 17.9266**

## **Background**



This preview shows how black text looks on a background with the XYZ color 16.9013, 22.5336, 17.9266.



This preview shows how white text looks on a background with the XYZ color 16.9013, 22.5336,



# 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

16.9013, 22.5336, 17.9266

### Protanopia

20.9626, 22.3680, 16.3093

### Deuteranopia

22.6527, 22.2266, 18.4255



## Tritanopia

19.5501, 22.5397, 30.9240

# Trichromacy



## Original Color

16.9013, 22.5336, 17.9266

## Protanomaly

19.1527, 22.2284, 16.9167

## Deuteranomaly

20.0388, 22.0474, 18.2383

## Tritanomaly

18.4677, 22.5231, 25.5643

# Monochromacy



## Original Color

16.9013, 22.5336, 17.9266

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

17.9347, 20.7180, 20.1933

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 16.9013, 22.5336, 17.9266 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(94, 141, 109)` looks like.

```
.text, #text, p{  
    color:rgb(94, 141, 109)  
}
```

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(94, 141, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 141, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 16.9013, 22.5336, 17.9266 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(94, 141, 109) }
```



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

```
.border{ border-color:rgb(94, 141, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 141, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 141, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 141, 109);  
box-shadow:4px 4px 4px 4px rgb(94, 141,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 16.9013, 22.5336, 17.9266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 141, 109) }
```

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

```
.background{ background-color: rgb(94, 141,  
109) }
```

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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