

Converting Colors

XYZ(15.6436, 22.0069, 17.6552)

Have a look what the booklet for
XYZ(15.6436, 22.0069, 17.6552)
contains.

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Color

**XYZ(15.6880, 22.1342,
17.6328)**

Conversions

Conversions Part 1

Format	Color
Hex	508E6C
RGB	80, 142, 108
RGB Percent	31%, 56%, 42%
CMY	0.6863, 0.4431, 0.5765
CMYK	0.44, 0.00, 0.24, 0.44
HSL	147°, 28%, 44%
HSV	147°, 44%, 56%
XYZ	15.6880, 22.1342, 17.6328
YIQ	119.5860, -26.0380, -23.7180

Conversions

Conversions Part 2

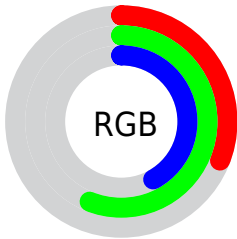
Format	Color
R_{YB}	80, 123, 142
Decimal	5279340
CIE _{Lab}	54.17, -28.18, 11.97
CIE _{LCh}	54, 30.618, 156.993
Yxy	22.1342, 0.2829, 0.3991
Android (android.graphics.Color)	4283469420 (0xFF508E6C)
YUV	119.5860, -5.7119, -34.7169
Hunter-Lab	47.0470, -22.8107, 10.7115

Details

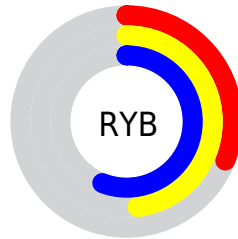
The XYZ color **15.6880, 22.1342, 17.6328** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.0619, 12.7034, 17.4731**, and the grayscale version is **17.7445, 18.6686, 20.3301**.

A 20% lighter version of the original color is **35.5137, 46.8886, 39.9795**, and **5.0356, 8.0553, 5.5644** is the 20% darker color. If you saturate the color by 10%, you get **14.2174, 21.4224, 15.4965**, and if you desaturate by 10%, it is **17.4503, 22.9932, 19.9770**.

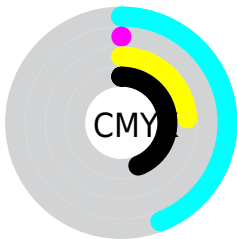
Distribution



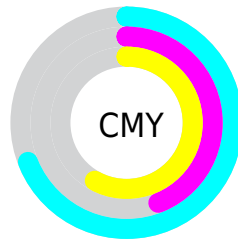
- Red (31%)
- Green (56%)
- Blue (42%)



- Red (31%)
- Yellow (48%)
- Blue (56%)



- Cyan (44%)
- Magenta (0%)
- Yellow (24%)
- Black (44%)



- Cyan (69%)
- Magenta (44%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6880, 22.1342, 17.6328 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 15.6880, 22.1342, 17.6328 by changing the saturation by 10% instead.

■ 15.6880, 22.1342,
17.6328

■ 15.6880, 22.1342,
17.6328

220.8003,
263.2463, 250.9593

■ 9.3931, 13.9555,
10.5200

■ 35.6175, 46.9677,
40.2161

■ 5.0576, 8.0897,
5.6350

■ 49.9829, 64.3913,
56.5236

■ 2.3162, 4.1524,
2.5592

■ 67.7691, 85.6654,
76.7331

■ 0.8029, 1.7592,
0.8713

■ 89.3415, 111.1743,
101.2632

■ 0.0000, 0.4615,
0.0000

■ 115.0655,
141.3025, 130.5322

■ 0.0000, 0.0000,
0.0000

145.3064,

176.4343, 164.9589

180.4295,
216.9541, 204.9618

■ 15.6880, 22.1342,
17.6328

■ 15.6880, 22.1342,
17.6328

■ 14.2174, 21.4224,
15.4965

■ 17.4503, 22.9932,
19.9770

■ 13.0196, 20.8466,
13.5608

■ 19.5180, 24.0048,
22.5331

■ 12.0762, 20.3978,
11.8200


■ 21.9063, 25.1771,
25.3071


■ 11.3657, 20.0651,
10.2677


■ 24.6287, 26.5170,
28.3041


■ 10.8623, 19.8354,
8.8968


■ 27.6979, 28.0310,
31.5290

 10.6025, 19.7185,
8.1170

 31.1260, 29.7253,
34.9866

 34.9243, 31.6055,
38.6817

 39.1040, 33.6774,
42.6187

 43.6753, 35.9461,
46.8020

Harmonies

Analogous

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



17.4229, 22.1342, 12.2408



15.6880, 22.1342, 17.6328



15.3122, 22.1342, 26.3973

Triad

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



15.6880, 22.1342, 17.6328



21.8253, 22.1342, 47.2062



26.5646, 22.1342, 14.6819

Complementary

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



15.6880, 22.1342, 17.6328



17.0619, 12.7034, 17.4731

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.



28.0380, 22.1342, 21.9407



15.6880, 22.1342, 17.6328



25.1212, 22.1342, 41.8682

Square

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



15.6880, 22.1342, 17.6328



18.6382, 22.1342, 45.1707



27.4837, 22.1342, 31.9828



23.6352, 22.1342, 10.8768

Rectangle

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



15.6880, 22.1342, 17.6328



15.8429, 22.1342, 33.3958



27.4837, 22.1342, 31.9828



27.2599, 22.1342, 16.7129

Sweetspot

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



15.6886, 22.1351, 17.6333



38.8053, 44.4827, 44.8248



18.0741, 23.5103, 11.1749



8.4697, 9.8382, 9.7878



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.



15.6886, 22.1351, 17.6333



25.2074, 37.8413, 27.5349



17.6349, 22.9136, 27.8822



5.4378, 6.0673, 6.2712



9.5281, 17.7071, 7.3354



0.1020, 0.1736, 0.1273

Inverse Universe

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



17.0619, 12.7034, 17.4731



27.9411, 19.0493, 27.2029



15.5898, 12.1146, 9.7207



5.5248, 5.4705, 6.2617



11.2558, 5.6593, 6.9981



0.1187, 0.0586, 0.1255

Previews

White Background



This preview shows how the XYZ color 15.6880, 22.1342, 17.6328 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 15.6880, 22.1342, 17.6328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

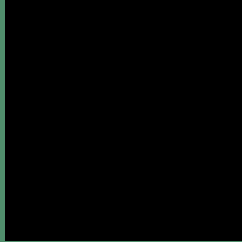
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6880, 22.1342, 17.6328

Background



This preview shows how black text looks on a background with the XYZ color 15.6880, 22.1342, 17.6328.



This preview shows how white text looks on a background with the XYZ color 15.6880, 22.1342,

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

15.6880, 22.1342, 17.6328

Protanopia

20.5651, 21.9782, 15.7287

Deuteranopia

22.1649, 21.7882, 18.3666



Tritanopia

18.5074, 22.2031, 31.3272

Trichromacy



Original Color

15.6880, 22.1342, 17.6328

Protanomaly

18.2262, 21.7627, 16.3367

Deuteranomaly

19.1539, 21.5913, 18.1969

Tritanomaly

17.3040, 22.1371, 25.5512

Monochromacy



Original Color

15.6880, 22.1342, 17.6328

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.6973, 19.7026, 19.4459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6880, 22.1342, 17.6328 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(80, 142, 108)` looks like.

```
.text, #text, p{  
    color:rgb(80, 142, 108)  
}
```

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(80, 142, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 142, 108) }
```

Border

The CSS property to change the border of an element to XYZ 15.6880, 22.1342, 17.6328 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(80, 142, 108) }
```


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

```
.border{ border-color:rgb(80, 142, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 142, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 142, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 142, 108);  
box-shadow:4px 4px 4px 4px rgb(80, 142,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6880, 22.1342, 17.6328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 142, 108) }
```

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

```
.background{ background-color: rgb(80, 142,  
108) }
```

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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