

Converting Colors

XYZ(17.5875, 22.0693, 20.7256)

Have a look what the booklet for
XYZ(17.5875, 22.0693, 20.7256)
contains.

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Color

**XYZ(17.6738, 22.2182,
20.8098)**

Conversions

Conversions Part 1

Format	Color
Hex	648A77
RGB	100, 138, 119
RGB Percent	39%, 54%, 47%
CMY	0.6078, 0.4588, 0.5333
CMYK	0.28, 0.00, 0.14, 0.46
HSL	150°, 16%, 47%
HSV	150°, 28%, 54%
XYZ	17.6738, 22.2182, 20.8098
YIQ	124.4720, -16.5490, -13.9650

Conversions

Conversions Part 2

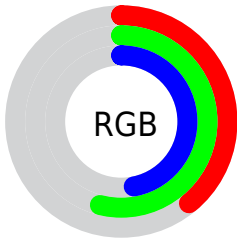
Format	Color
R_{YB}	100, 125, 138
Decimal	6589047
CIE _{Lab}	54.26, -17.45, 5.93
CIE _{LCh}	54, 18.429, 161.228
Yxy	22.2182, 0.2912, 0.3660
Android (android.graphics.Color)	4284779127 (0xFF648A77)
YUV	124.4720, -2.6977, -21.4619
Hunter-Lab	47.1362, -15.5594, 6.8198

Details

The XYZ color **17.6738, 22.2182, 20.8098** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.3690, 15.8501, 19.5450**, and the grayscale version is **19.3290, 20.3356, 22.1455**.

A 20% lighter version of the original color is **39.1492, 47.3149, 45.5974**, and **6.0432, 8.1644, 7.2186** is the 20% darker color. If you saturate the color by 10%, you get **15.8754, 21.3379, 18.6405**, and if you desaturate by 10%, it is **19.7621, 23.2457, 23.1507**.

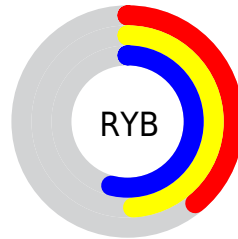
Distribution



Red (39%)

Green (54%)

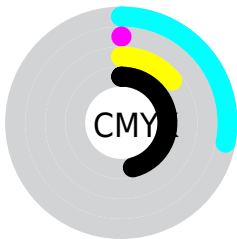
Blue (47%)



Red (39%)

Yellow (49%)

Blue (54%)

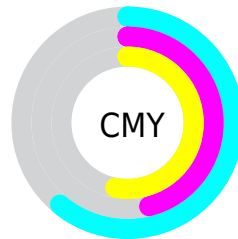


Cyan (28%)

Magenta (0%)

Yellow (14%)

Black (46%)



Cyan (61%)

Magenta (46%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6738, 22.2182, 20.8098 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 17.6738, 22.2182, 20.8098 by changing the saturation by 10% instead.

■ 17.6738, 22.2182,
20.8098

■ 17.6738, 22.2182,
20.8098

232.1073,
263.6837, 269.0137

■ 10.8143, 14.0173,
12.7952

■ 39.0152, 47.1064,
45.6474

■ 6.0085, 8.1327,
7.1586

■ 54.2277, 64.5624,
63.3075

■ 2.8909, 4.1800,
3.4815

■ 72.9554, 85.8724,
85.0198

■ 1.0964, 1.7747,
1.3455

■ 95.5635, 111.4206,
111.2029

■ 0.0221, 0.4714,
0.0986

122.4174,
141.5914, 142.2753

■ 0.0000, 0.0000,
0.0000

153.8824,

176.7692, 178.6555

190.3239,
217.3385, 220.7622

■ 17.6738, 22.2182,
20.8098

■ 17.6738, 22.2182,
20.8098

■ 15.8754, 21.3379,
18.6405

■ 19.7621, 23.2457,
23.1507

■ 14.3515, 20.5950,
16.6374

■ 22.1512, 24.4242,
25.6655

■ 13.0877, 19.9829,
14.7969

■ 24.8536, 25.7605,
28.3585

■ 12.0679, 19.4934,
13.1146

■ 27.8807, 27.2605,
31.2331

■ 11.2738, 19.1170,
11.5860

■ 31.2431, 28.9297,
34.2928

■ 10.6844, 18.8431,
10.2064

■ 34.9511, 30.7732,
37.5411

■ 10.2591, 18.6508,
8.9697

■ 39.0144, 32.7959,
40.9810

■ 10.1630, 18.6074,
8.6858

■ 43.4423, 35.0027,
44.6159

■ 48.2439, 37.3982,
48.4488

Harmonies

Analogous

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



18.6774, 22.2182, 16.8017



17.6738, 22.2182, 20.8098



17.5575, 22.2182, 26.4060

Triad

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



17.6738, 22.2182, 20.8098



21.8773, 22.2182, 36.7182



24.1520, 22.2182, 17.6203

Complementary

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



17.6738, 22.2182, 20.8098



18.3690, 15.8501, 19.5450

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.



25.1294, 22.2182, 22.1051



17.6738, 22.2182, 20.8098



23.7618, 22.2182, 33.4823

Square

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



17.6738, 22.2182, 20.8098



19.9012, 22.2182, 36.2239



24.9823, 22.2182, 27.9218



22.3828, 22.2182, 15.1714

Rectangle

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



17.6738, 22.2182, 20.8098



17.9896, 22.2182, 30.3794



24.9823, 22.2182, 27.9218



24.5890, 22.2182, 18.9072

Sweetspot

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



17.6744, 22.2191, 20.8103



38.7604, 42.9101, 44.9476



19.0845, 23.0650, 15.5031



8.5602, 9.5586, 9.9439



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



17.6744, 22.2191, 20.8103



29.1382, 38.1757, 34.2859



18.8865, 22.7040, 27.1930



5.0693, 5.6472, 5.8860



9.3250, 17.0626, 8.0021



0.0693, 0.1163, 0.0920

Inverse Universe

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



18.3690, 15.8501, 19.5450



30.5716, 25.0315, 31.6745



17.3701, 15.4506, 14.2850



5.1303, 5.0876, 5.7748



10.6022, 5.3510, 5.6753



0.0778, 0.0385, 0.0766

Previews

White Background



This preview shows how the XYZ color 17.6738, 22.2182, 20.8098 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 17.6738, 22.2182, 20.8098 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 17.6738, 22.2182, 20.8098

Background



This preview shows how black text looks on a background with the XYZ color 17.6738, 22.2182, 20.8098.



This preview shows how white text looks on a background with the XYZ color 17.6738, 22.2182,

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

17.6738, 22.2182, 20.8098

Protanopia

20.8792, 22.0663, 19.0784

Deuteranopia

22.5235, 22.0921, 21.4894



Tritanopia

19.4616, 22.0978, 30.0276

Trichromacy



Original Color

17.6738, 22.2182, 20.8098

Protanomaly

19.4297, 21.9011, 19.7263

Deuteranomaly

20.4871, 22.0129, 21.2583

Tritanomaly

18.7014, 21.9891, 26.5512

Monochromacy



Original Color

17.6738, 22.2182, 20.8098

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.4333, 20.7505, 21.4461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6738, 22.2182, 20.8098 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(100, 138, 119)` looks like.

```
.text, #text, p{  
    color:rgb(100, 138, 119)  
}
```

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(100, 138, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 138, 119) }
```

Border

The CSS property to change the border of an element to XYZ 17.6738, 22.2182, 20.8098 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(100, 138, 119) }
```


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

```
.border{ border-color:rgb(100, 138, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 138, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 138, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 138, 119);  
box-shadow:4px 4px 4px 4px rgb(100, 138,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6738, 22.2182, 20.8098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 138, 119) }
```

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

```
.background{ background-color: rgb(100,  
138, 119) }
```

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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