

Converting Colors

XYZ(17.8450, 22.7579, 16.9360)

Have a look what the booklet for
XYZ(17.8450, 22.7579, 16.9360)
contains.

XYZ(17.8717, 22.8403, 16.8313)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.8717, 22.8403,
16.8313)**

Conversions

Conversions Part 1

Format	Color
Hex	6A8C69
RGB	106, 140, 105
RGB Percent	42%, 55%, 41%
CMY	0.5843, 0.4510, 0.5882
CMYK	0.24, 0.00, 0.25, 0.45
HSL	118°, 14%, 48%
HSV	118°, 25%, 55%
XYZ	17.8717, 22.8403, 16.8313
YIQ	125.8440, -9.0290, -18.0930

Conversions

Conversions Part 2

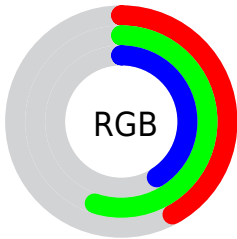
Format	Color
R_{YB}	105, 140, 139
Decimal	6982761
CIE _{Lab}	54.91, -19.19, 14.92
CIE _{LCh}	55, 24.304, 142.137
Yxy	22.8403, 0.3106, 0.3969
Android (android.graphics.Color)	4285172841 (0xFF6A8C69)
YUV	125.8440, -10.2761, -17.4032
Hunter-Lab	47.7915, -16.8849, 12.5732

Details

The XYZ color **17.8717, 22.8403, 16.8313** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.4338, 17.4864, 27.1105**, and the grayscale version is **19.8147, 20.8466, 22.7019**.

A 20% lighter version of the original color is **39.3931, 48.2530, 38.6900**, and **6.1648, 8.5174, 5.3221** is the 20% darker color. If you saturate the color by 10%, you get **15.7206, 21.8084, 13.2786**, and if you desaturate by 10%, it is **20.3989, 24.0537, 21.0210**.

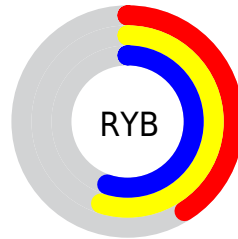
Distribution



Red (42%)

Green (55%)

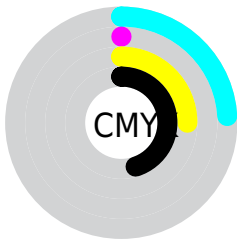
Blue (41%)



Red (41%)

Yellow (55%)

Blue (55%)

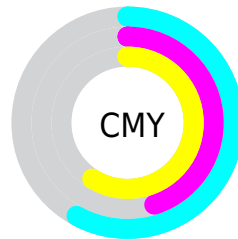


Cyan (24%)

Magenta (0%)

Yellow (25%)

Black (45%)



Cyan (58%)

Magenta (45%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8717, 22.8403, 16.8313 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 17.8717, 22.8403, 16.8313 by changing the saturation by 10% instead.

■ 17.8717, 22.8403,
16.8313

■ 17.8717, 22.8403,
16.8313

233.2065,
266.9037, 246.2093

■ 10.9570, 14.4756,
9.9536

■ 39.3504, 48.1310,
38.8222

■ 6.1050, 8.4522,
5.2630

■ 54.6451, 65.8258,
54.7724

■ 2.9503, 4.3856,
2.3410

■ 73.4639, 87.3994,
74.5839

■ 1.1275, 1.8915,
0.7540

■ 96.1722, 113.2362,
98.6752

■ 0.0480, 0.5433,
0.0000

123.1352,
143.7207, 127.4649

■ 0.0000, 0.0000,
0.0000

154.7183,

179.2371, 161.3714

191.2870,
220.1700, 200.8134

■ 17.8717, 22.8403,
16.8313

■ 17.8717, 22.8403,
16.8313

■ 15.7206, 21.8084,
13.2786

■ 20.3989, 24.0537,
21.0210

■ 13.9258, 20.9466,
10.3304

■ 23.3171, 25.4536,
25.8751

■ 12.4688, 20.2466,
7.9535

■ 26.6425, 27.0486,
31.4214

■ 11.3284, 19.6983,
6.1108

■ 30.3899, 28.8457,
37.6855

■ 10.4811, 19.2905,
4.7611

■ 34.5733, 30.8516,
44.6918

■ 9.9001, 19.0104,
3.8570

■ 39.2062, 33.0727,
52.4633

■ 9.5522, 18.8422,
3.3344

■ 44.3014, 35.5153,
61.0224

■ 9.4286, 18.7829,
3.1285

■ 49.8712, 38.1850,
70.3904

■ 55.9276, 41.0877,
80.5876

Harmonies

Analogous

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



19.8154, 22.8403, 13.5052



17.8717, 22.8403, 16.8313



16.9723, 22.8403, 22.8948

Triad

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



17.8717, 22.8403, 16.8313



21.0082, 22.8403, 42.6451



26.8682, 22.8403, 19.6884

Complementary

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



17.8717, 22.8403, 16.8313



20.4338, 17.4864, 27.1105

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.



27.2539, 22.8403, 26.9540



17.8717, 22.8403, 16.8313



23.7196, 22.8403, 41.2931

Square

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



17.8717, 22.8403, 16.8313



18.6830, 22.8403, 38.5127



26.0597, 22.8403, 35.1287



25.0454, 22.8403, 14.9013

Rectangle

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



17.8717, 22.8403, 16.8313



17.0293, 22.8403, 28.1197



26.0597, 22.8403, 35.1287



27.1760, 22.8403, 21.8793

Sweetspot

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



17.8723, 22.8413, 16.8318



39.4010, 44.0553, 42.7761



22.5746, 25.0137, 17.0033



8.9134, 10.0720, 9.5812



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.



17.8723, 22.8413, 16.8318



29.2925, 39.2048, 26.0116



18.6762, 23.1492, 21.6812



4.9842, 5.6146, 5.3734



8.3802, 16.6901, 2.7798



0.0572, 0.1117, 0.0185

Inverse Universe

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



20.4338, 17.4864, 27.1105



34.6071, 28.0921, 47.3413



19.4847, 17.1260, 21.2380



5.2200, 5.1218, 6.3193



13.2315, 6.3352, 22.5711



0.0900, 0.0431, 0.1500

Previews

White Background



This preview shows how the XYZ color 17.8717, 22.8403, 16.8313 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 17.8717, 22.8403, 16.8313 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 17.8717, 22.8403, 16.8313

Background



This preview shows how black text looks on a background with the XYZ color 17.8717, 22.8403, 16.8313.



This preview shows how white text looks on a background with the XYZ color 17.8717, 22.8403,

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

17.8717, 22.8403, 16.8313

Protanopia

21.2805, 22.7476, 15.5810

Deuteranopia

23.1165, 22.6798, 17.3466



Tritanopia

20.5849, 22.8830, 30.1200

Trichromacy



Original Color

17.8717, 22.8403, 16.8313

Protanomaly

19.8255, 22.5987, 15.8874

Deuteranomaly

20.7618, 22.4450, 17.1480

Tritanomaly

19.4053, 22.8180, 24.5006

Monochromacy



Original Color

17.8717, 22.8403, 16.8313

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.9941, 21.4625, 20.2811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8717, 22.8403, 16.8313 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(106, 140, 105)` looks like.

```
.text, #text, p{  
    color:rgb(106, 140, 105)  
}
```

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(106, 140, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 140, 105) }
```

Border

The CSS property to change the border of an element to XYZ 17.8717, 22.8403, 16.8313 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(106, 140, 105) }
```


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

```
.border{ border-color:rgb(106, 140, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 140, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 140, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 140, 105);  
box-shadow:4px 4px 4px 4px rgb(106, 140,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8717, 22.8403, 16.8313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 140, 105) }
```

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

```
.background{ background-color: rgb(106,  
140, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor