

Converting Colors

XYZ(17.8412, 22.8016, 20.3256)

Have a look what the booklet for
XYZ(17.8412, 22.8016, 20.3256)
contains.

XYZ(17.8445, 22.7498, 20.2803)	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(17.8445, 22.7498,
20.2803)**

Conversions

Conversions Part 1

Format	Color
Hex	648C75
RGB	100, 140, 117
RGB Percent	39%, 55%, 46%
CMY	0.6078, 0.4510, 0.5412
CMYK	0.29, 0.00, 0.16, 0.45
HSL	145°, 17%, 47%
HSV	145°, 29%, 55%
XYZ	17.8445, 22.7498, 20.2803
YIQ	125.4180, -16.4570, -15.6330

Conversions

Conversions Part 2

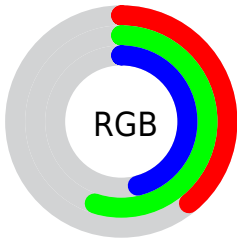
Format	Color
R_{YB}	100, 128, 140
Decimal	6589557
CIE _{Lab}	54.81, -18.93, 7.87
CIE _{LCh}	55, 20.501, 157.412
Y _{xy}	22.7498, 0.2931, 0.3737
Android (android.graphics.Color)	4284779637 (0xFF648C75)
YUV	125.4180, -4.1501, -22.2916
Hunter-Lab	47.6968, -16.6882, 8.1781

Details

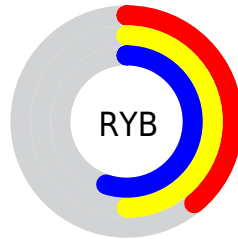
The XYZ color **17.8445, 22.7498, 20.2803** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.9483, 16.1204, 20.8527**, and the grayscale version is **19.6520, 20.6754, 22.5155**.

A 20% lighter version of the original color is **39.4021, 48.1235, 44.7482**, and **6.1465, 8.4721, 6.9415** is the 20% darker color. If you saturate the color by 10%, you get **15.9740, 21.8385, 17.8275**, and if you desaturate by 10%, it is **20.0231, 23.8165, 22.9611**.

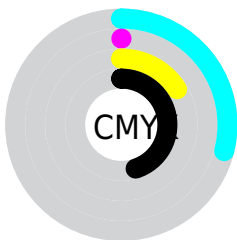
Distribution



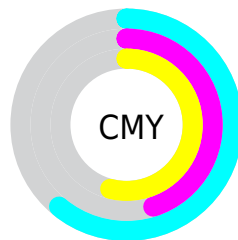
- Red (39%)
- Green (55%)
- Blue (46%)



- Red (39%)
- Yellow (50%)
- Blue (55%)



- Cyan (29%)
- Magenta (0%)
- Yellow (16%)
- Black (45%)



- Cyan (61%)
- Magenta (45%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8445, 22.7498, 20.2803 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 17.8445, 22.7498, 20.2803 by changing the saturation by 10% instead.

■ 17.8445, 22.7498,
20.2803

■ 17.8445, 22.7498,
20.2803

233.0557,
266.4373, 266.0828

■ 10.9374, 14.4089,
12.4129

■ 39.3043, 47.9822,
44.7518

■ 6.0917, 8.4056,
6.8996

■ 54.5878, 65.6424,
62.1929

■ 2.9421, 4.3556,
3.3219

■ 73.3941, 87.1779,
83.6623

■ 1.1232, 1.8744,
1.2612

■ 96.0886, 112.9729,
109.5785

■ 0.0444, 0.5329,
0.0297

123.0367,
143.4120, 140.3602

■ 0.0000, 0.0000,
0.0000

154.6036,

178.8795, 176.4257

191.1548,
219.7598, 218.1937

■ 17.8445, 22.7498,
20.2803

■ 17.8445, 22.7498,
20.2803

■ 15.9740, 21.8385,
17.8275

■ 20.0231, 23.8165,
22.9611

■ 14.3951, 21.0723,
15.5950

■ 22.5215, 25.0426,
25.8740

■ 13.0926, 20.4442,
13.5772

■ 25.3533, 26.4356,
29.0251

■ 12.0489, 19.9451,
11.7674

■ 28.5303, 28.0015,
32.4199

■ 11.2446, 19.5653,
10.1587

■ 32.0641, 29.7463,
36.0634

■ 10.6570, 19.2931,
8.7436

■ 35.9656, 31.6754,
39.9607

■ 10.2364, 19.1030,
7.5131

■ 40.2452, 33.7940,
44.1167

■ 10.1809, 19.0779,
7.3516

■ 44.9129, 36.1074,
48.5362

■ 49.9785, 38.6202,
53.2236

Harmonies

Analogous

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



19.0825, 22.7498, 16.1225



17.8445, 22.7498, 20.2803



17.5838, 22.7498, 26.4156

Triad

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



17.8445, 22.7498, 20.2803



22.1900, 22.7498, 39.3194



25.2716, 22.7498, 17.9367

Complementary

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



17.8445, 22.7498, 20.2803



18.9483, 16.1204, 20.8527

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.



26.2378, 22.7498, 23.1955



17.8445, 22.7498, 20.2803



24.3796, 22.7498, 36.0626

Square

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



17.8445, 22.7498, 20.2803



19.9923, 22.7498, 38.1702



25.9005, 22.7498, 29.8793



23.3401, 22.7498, 14.9435

Rectangle

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



17.8445, 22.7498, 20.2803



17.9812, 22.7498, 30.9711



25.9005, 22.7498, 29.8793



25.7260, 22.7498, 19.4585

Sweetspot

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



17.8451, 22.7507, 20.2808



39.4160, 44.0075, 45.2858



19.8953, 23.9128, 15.6240



8.9431, 10.0720, 10.2755



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.



17.8451, 22.7507, 20.2808



29.3710, 39.0896, 33.0501



19.1258, 23.2630, 27.0249



5.0543, 5.6412, 5.8070



9.0553, 16.9547, 6.5821



0.0672, 0.1155, 0.0810

Inverse Universe

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



18.9483, 16.1204, 20.8527



31.6305, 25.5040, 34.2173



17.8380, 15.6763, 15.0059



5.1455, 5.0936, 5.8545



10.9229, 5.4793, 7.3645



0.0799, 0.0393, 0.0876

Previews

White Background



This preview shows how the XYZ color 17.8445, 22.7498, 20.2803 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 17.8445, 22.7498, 20.2803 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 17.8445, 22.7498, 20.2803

Background



This preview shows how black text looks on a background with the XYZ color 17.8445, 22.7498, 20.2803.



This preview shows how white text looks on a background with the XYZ color 17.8445, 22.7498,

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

17.8445, 22.7498, 20.2803

Protanopia

21.2238, 22.4535, 18.5446

Deuteranopia

22.8836, 22.4808, 20.9024



Tritanopia

20.0145, 22.7791, 30.9457

Trichromacy



Original Color

17.8445, 22.7498, 20.2803

Protanomaly

19.8745, 22.5502, 19.2247

Deuteranomaly

20.6520, 22.3103, 20.6706

Tritanomaly

19.0985, 22.6120, 26.6505

Monochromacy



Original Color

17.8445, 22.7498, 20.2803

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.6979, 21.0834, 21.4964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8445, 22.7498, 20.2803 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, 140, 117)` looks like.

```
.text, #text, p{  
    color:rgb(100, 140, 117)  
}
```

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, 140, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 140, 117) }
```

Border

The CSS property to change the border of an element to XYZ 17.8445, 22.7498, 20.2803 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, 140, 117) }
```


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

```
.border{ border-color:rgb(100, 140, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 140, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 140, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 140, 117);  
box-shadow:4px 4px 4px 4px rgb(100, 140,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8445, 22.7498, 20.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 140, 117) }
```

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

```
.background{ background-color: rgb(100,  
140, 117) }
```

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