

Converting Colors

XYZ(22.4701, 28.1233, 20.3684)

Have a look what the booklet for
XYZ(22.4701, 28.1233, 20.3684)
contains.

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Color

**XYZ(22.5118, 28.1578,
20.4682)**

Conversions

Conversions Part 1

Format	Color
Hex	7A9973
RGB	122, 153, 115
RGB Percent	48%, 60%, 45%
CMY	0.5216, 0.4000, 0.5490
CMYK	0.20, 0.00, 0.25, 0.40
HSL	109°, 16%, 53%
HSV	109°, 25%, 60%
XYZ	22.5118, 28.1578, 20.4682
YIQ	139.3990, -6.2780, -18.3900

Conversions

Conversions Part 2

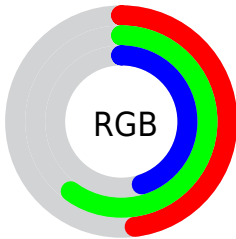
Format	Color
RYB	115, 153, 146
Decimal	8034675
CIELab	60.03, -18.36, 16.52
CIELCh	60, 24.699, 138.027
Yxy	28.1578, 0.3165, 0.3958
Android (android.graphics.Color)	4286224755 (0xFF7A9973)
YUV	139.3990, -12.0287, -15.2589
Hunter-Lab	53.0639, -17.1352, 14.2750

Details

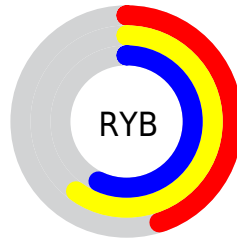
The XYZ color **22.5118, 28.1578, 20.4682** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.7357, 20.6732, 32.8777**, and the grayscale version is **24.7418, 26.0303, 28.3470**.

A 20% lighter version of the original color is **46.9671, 56.5296, 44.9951**, and **8.5121, 11.3245, 7.0474** is the 20% darker color. If you saturate the color by 10%, you get **20.0483, 26.9821, 16.1323**, and if you desaturate by 10%, it is **25.3500, 29.5115, 25.5857**.

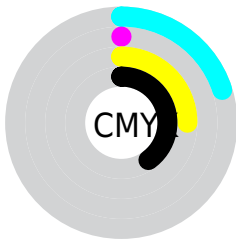
Distribution



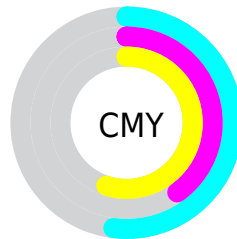
- Red (48%)
- Green (60%)
- Blue (45%)



- Red (45%)
- Yellow (60%)
- Blue (57%)



- Cyan (20%)
- Magenta (0%)
- Yellow (25%)
- Black (40%)



- Cyan (52%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5118, 28.1578, 20.4682 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 22.5118, 28.1578, 20.4682 by changing the saturation by 10% instead.

■ 22.5118, 28.1578,
20.4682

■ 22.5118, 28.1578,
20.4682

257.7899,
293.2202, 267.1262

■ 14.3521, 18.4446,
12.5484

■ 47.0630, 56.7363,
45.0700

■ 8.4493, 11.2697,
6.9913

■ 64.1853, 76.3704,
62.5891

■ 4.4380, 6.2485,
3.3783

■ 85.0259, 100.0803,
84.1450

■ 1.9528, 2.9968,
1.2909

109.9500,
128.2503, 110.1563

■ 0.6072, 1.1301,
0.0543

139.3232,
161.2650, 141.0416

■ 0.0000, 0.0034,
0.0000

173.5106,

■ 0.0000, 0.0000,

199.5085, 177.2193

0.0000

212.8777,
243.3655, 219.1079

■ 22.5118, 28.1578,
20.4682

■ 22.5118, 28.1578,
20.4682

■ 20.0483, 26.9821,
16.1323

■ 25.3500, 29.5115,
25.5857

■ 17.9414, 25.9733,
12.5378

■ 28.5756, 31.0463,
31.5186

■ 16.1750, 25.1249,
9.6437

■ 32.2032, 32.7701,
38.3011

■ 14.7308, 24.4285,
7.4043

■ 36.2462, 34.6889,
45.9648

■ 13.5885, 23.8746,
5.7684

■ 40.7172, 36.8086,
54.5398

■ 12.7257, 23.4531,
4.6773

■ 45.6285, 39.1349,
64.0545

■ 12.1155, 23.1516,
4.0570

■ 50.9916, 41.6733,
74.5364

■ 11.8756, 23.0330,
3.8199

■ 56.8178, 44.4289,
86.0117

■ 63.1180, 47.4067,
98.5056

Harmonies

Analogous

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



24.9339, 28.1578, 16.9561



22.5118, 28.1578, 20.4682



21.2694, 28.1578, 27.2025

Triad

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



22.5118, 28.1578, 20.4682



25.5273, 28.1578, 50.9285



32.9394, 28.1578, 25.6028

Complementary

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



22.5118, 28.1578, 20.4682



23.7357, 20.6732, 32.8777

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.



33.1297, 28.1578, 34.3966



22.5118, 28.1578, 20.4682



28.6797, 28.1578, 50.2671

Square

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



22.5118, 28.1578, 20.4682



22.9168, 28.1578, 45.4320



31.5186, 28.1578, 43.7708



31.0174, 28.1578, 19.4956

Rectangle

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



22.5118, 28.1578, 20.4682



21.2074, 28.1578, 33.1431



31.5186, 28.1578, 43.7708



33.2132, 28.1578, 28.3024

Sweetspot

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



22.5125, 28.1590, 20.4688



49.7812, 54.9359, 53.8661



26.4191, 28.3846, 20.3065



10.9244, 12.0981, 11.7690



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.5125, 28.1590, 20.4688



37.6957, 49.1766, 32.0196



22.2541, 27.9452, 24.0960



6.2331, 6.9776, 6.6241



9.8364, 19.0467, 3.1580



0.1701, 0.2967, 0.0483

Inverse Universe

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



23.7357, 20.6732, 32.8777



40.2799, 33.3307, 58.2825



24.1211, 20.9755, 28.2124



6.3496, 6.2661, 7.8038



11.7460, 5.5063, 25.3514



0.2013, 0.0955, 0.3802

Previews

White Background



This preview shows how the XYZ color 22.5118, 28.1578, 20.4682 looks on a white background.

Color Contrast Check

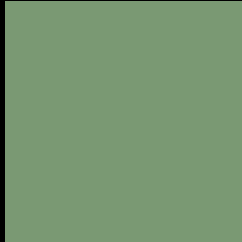
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5118, 28.1578, 20.4682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

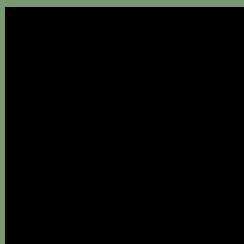
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5118, 28.1578, 20.4682

Background



This preview shows how black text looks on a background with the XYZ color 22.5118, 28.1578, 20.4682.



This preview shows how white text looks on a background with the XYZ color 22.5118, 28.1578,

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

22.5118, 28.1578, 20.4682

Protanopia

26.1689, 27.9642, 19.0573

Deuteranopia

28.4390, 27.9887, 21.0430



Tritanopia

25.7450, 28.0378, 36.8558

Trichromacy



Original Color

22.5118, 28.1578, 20.4682

Protanomaly

24.5137, 27.7881, 19.4009

Deuteranomaly

25.9466, 27.8102, 20.8300

Tritanomaly

24.3096, 27.9137, 30.0932

Monochromacy



Original Color

22.5118, 28.1578, 20.4682

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.6754, 26.5448, 24.9949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5118, 28.1578, 20.4682 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(122, 153, 115)` looks like.

```
.text, #text, p{  
    color:rgb(122, 153, 115)  
}
```

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(122, 153, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 153, 115) }
```

Border

The CSS property to change the border of an element to XYZ 22.5118, 28.1578, 20.4682 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(122, 153, 115) }
```


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

```
.border{ border-color:rgb(122, 153, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 153, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 153, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 153, 115);  
box-shadow:4px 4px 4px 4px rgb(122, 153,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5118, 28.1578, 20.4682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 153, 115) }
```

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

```
.background{ background-color: rgb(122,  
153, 115) }
```

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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