

Converting Colors

XYZ(22.3612, 29.0331, 23.2028)

Have a look what the booklet for
XYZ(22.3612, 29.0331, 23.2028)
contains.

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Color

**XYZ(22.3142, 28.9887,
23.1582)**

Conversions

Conversions Part 1

Format	Color
Hex	709D7B
RGB	112, 157, 123
RGB Percent	44%, 62%, 48%
CMY	0.5608, 0.3843, 0.5176
CMYK	0.29, 0.00, 0.22, 0.38
HSL	135°, 19%, 53%
HSV	135°, 29%, 62%
XYZ	22.3142, 28.9887, 23.1582
YIQ	139.6690, -15.9060, -20.1140

Conversions

Conversions Part 2

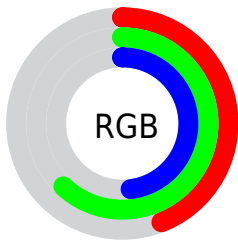
Format	Color
RYB	112, 148, 157
Decimal	7380347
CIELab	60.77, -22.46, 12.98
CIELCh	61, 25.944, 149.976
Yxy	28.9887, 0.2997, 0.3893
Android (android.graphics.Color)	4285570427 (0xFF709D7B)
YUV	139.6690, -8.2178, -24.2657
Hunter-Lab	53.8412, -20.2436, 12.1869

Details

The XYZ color **22.3142, 28.9887, 23.1582** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.8881, 20.8324, 29.9046**, and the grayscale version is **24.8347, 26.1281, 28.4535**.

A 20% lighter version of the original color is **46.8970, 58.2209, 49.8403**, and **8.2742, 11.6217, 8.2857** is the 20% darker color. If you saturate the color by 10%, you get **19.7900, 27.7689, 19.3959**, and if you desaturate by 10%, it is **25.2783, 30.4265, 27.4121**.

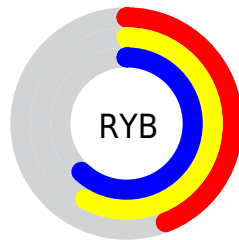
Distribution



Red (44%)

Green (62%)

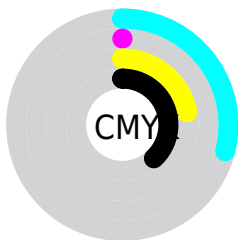
Blue (48%)



Red (44%)

Yellow (58%)

Blue (62%)

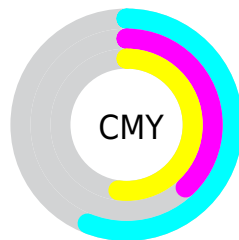


Cyan (29%)

Magenta (0%)

Yellow (22%)

Black (38%)



Cyan (56%)

Magenta (38%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3142, 28.9887, 23.1582 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 22.3142, 28.9887, 23.1582 by changing the saturation by 10% instead.

■ 22.3142, 28.9887,
23.1582

■ 22.3142, 28.9887,
23.1582

256.7844,
297.1616, 281.6847

■ 14.2058, 19.0723,
14.5040

■ 46.7398, 58.0591,
49.5794

■ 8.3466, 11.7225,
8.3293

■ 63.7877, 77.9819,
68.1835

■ 4.3712, 6.5550,
4.2156

■ 84.5461, 102.0090,
90.9413

■ 1.9142, 3.1854,
1.7443

■ 109.3805,
130.5246, 118.2714

■ 0.5851, 1.2293,
0.3909

138.6562,
163.9134, 150.5922

■ 0.0000, 0.0854,
0.0000

172.7385,

■ 0.0000, 0.0000,

202.5595, 188.3223

0.0000

211.9928,
246.8475, 231.8803

■ 22.3142, 28.9887,
23.1582

■ 22.3142, 28.9887,
23.1582

■ 19.7900, 27.7689,
19.3959

■ 25.2783, 30.4265,
27.4121

■ 17.6821, 26.7529,
16.1056

■ 28.6999, 32.0886,
32.1724

■ 15.9681, 25.9303,
13.2692

■ 32.5982, 33.9853,
37.4559

■ 14.6227, 25.2885,
10.8664

■ 36.9909, 36.1255,
43.2778

■ 13.6174, 24.8133,
8.8759

■ 41.8945, 38.5174,
49.6529

■ 12.9191, 24.4880,
7.2741

■ 47.3250, 41.1689,
56.5951

■ 12.4662, 24.2815,
6.0340

■ 53.2974, 44.0875,
64.1181

■ 12.4135, 24.2574,
5.8937

■ 59.8265, 47.2804,
72.2350

■ 66.9261, 50.7547,
80.9586

Harmonies

Analogous

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



24.4401, 28.9887, 18.0619



22.3142, 28.9887, 23.1582



21.5672, 28.9887, 31.5561

Triad

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



22.3142, 28.9887, 23.1582



27.5502, 28.9887, 53.9989



33.5564, 28.9887, 23.1691

Complementary

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



22.3142, 28.9887, 23.1582



24.8881, 20.8324, 29.9046

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.



34.5548, 28.9887, 31.5715



22.3142, 28.9887, 23.1582



30.9193, 28.9887, 50.5249

Square

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



22.3142, 28.9887, 23.1582



24.4358, 28.9887, 50.5144



33.5533, 28.9887, 41.7908



30.9243, 28.9887, 18.0672

Rectangle

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



22.3142, 28.9887, 23.1582



21.9000, 28.9887, 38.3384



33.5533, 28.9887, 41.7908



34.1033, 28.9887, 25.6383

Sweetspot

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



22.3150, 28.9899, 23.1588



51.0635, 57.3031, 57.1578



26.9258, 31.4420, 19.9793



11.0431, 12.5153, 12.3114



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.3150, 28.9899, 23.1588



37.1610, 50.5605, 37.3324



23.8508, 29.6042, 31.2462



6.6139, 7.4263, 7.4016



10.0944, 19.7057, 4.8544



0.1956, 0.3584, 0.1663

Inverse Universe

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



24.8881, 20.8324, 29.9046



42.4902, 33.6548, 51.2959



23.3377, 20.2123, 21.7407



6.8348, 6.7268, 7.9812



13.9942, 6.9023, 14.7525



0.2656, 0.1296, 0.3449

Previews

White Background



This preview shows how the XYZ color 22.3142, 28.9887, 23.1582 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 22.3142, 28.9887, 23.1582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

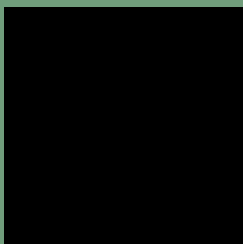
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

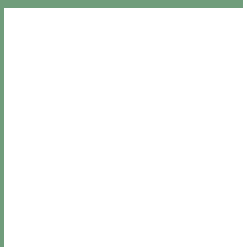
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3142, 28.9887, 23.1582

Background



This preview shows how black text looks on a background with the XYZ color 22.3142, 28.9887, 23.1582.



This preview shows how white text looks on a background with the XYZ color 22.3142, 28.9887,

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

22.3142, 28.9887, 23.1582

Protanopia

27.0665, 28.8343, 21.2786

Deuteranopia

29.2271, 28.7716, 23.7517



Tritanopia

25.6748, 29.1299, 39.3914

Trichromacy



Original Color

22.3142, 28.9887, 23.1582

Protanomaly

24.9440, 28.6577, 21.9861

Deuteranomaly

26.1680, 28.5511, 23.5338

Tritanomaly

24.3165, 29.0630, 32.7619

Monochromacy



Original Color

22.3142, 28.9887, 23.1582

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.7879, 27.0248, 26.5168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3142, 28.9887, 23.1582 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(112, 157, 123)` looks like.

```
.text, #text, p{  
    color:rgb(112, 157, 123)  
}
```

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(112, 157, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 157, 123) }
```

Border

The CSS property to change the border of an element to XYZ 22.3142, 28.9887, 23.1582 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(112, 157, 123) }
```


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

```
.border{ border-color:rgb(112, 157, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 157, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 157, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 157, 123);  
box-shadow:4px 4px 4px 4px rgb(112, 157,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3142, 28.9887, 23.1582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 157, 123) }
```

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

```
.background{ background-color: rgb(112,  
157, 123) }
```

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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