

Converting Colors

XYZ(23.0213, 18.3646, 23.3022)

Have a look what the booklet for
XYZ(23.0213, 18.3646, 23.3022)
contains.

XYZ(22.9810, 18.2900, 23.4382)	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(22.9810, 18.2900,
23.4382)**

Conversions

Conversions Part 1

Format	Color
Hex	9F6582
RGB	159, 101, 130
RGB Percent	62%, 40%, 51%
CMY	0.3765, 0.6039, 0.4902
CMYK	0.00, 0.36, 0.18, 0.38
HSL	330°, 23%, 51%
HSV	330°, 36%, 62%
XYZ	22.9810, 18.2900, 23.4382
YIQ	121.6480, 25.2590, 21.3150

Conversions

Conversions Part 2

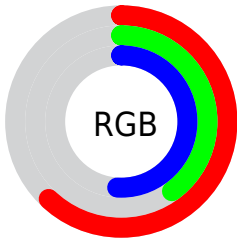
Format	Color
R_{YB}	159, 101, 130
Decimal	10446210
CIE Lab	49.85, 27.67, -6.34
CIE LCh	50, 28.389, 347.105
Yxy	18.2900, 0.3551, 0.2826
Android (android.graphics.Color)	4288636290 (0xFF9F6582)
YUV	121.6480, 4.1175, 32.7577
Hunter-Lab	42.7668, 21.0761, -2.5569

Details

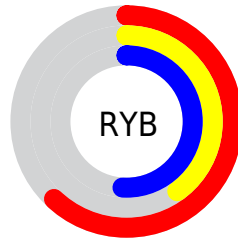
The XYZ color **22.9810, 18.2900, 23.4382** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.7950, 29.1751, 25.6031**, and the grayscale version is **18.3657, 19.3222, 21.0419**.

A 20% lighter version of the original color is **47.9628, 40.6484, 50.1178**, and **8.7022, 6.2045, 8.5235** is the 20% darker color. If you saturate the color by 10%, you get **21.0708, 15.2908, 20.2695**, and if you desaturate by 10%, it is **25.2322, 21.9048, 26.9244**.

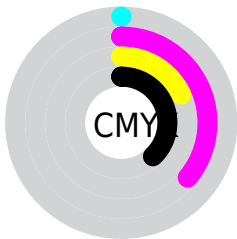
Distribution



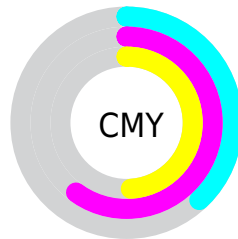
- Red (62%)
- Green (40%)
- Blue (51%)



- Red (62%)
- Yellow (40%)
- Blue (51%)



- Cyan (0%)
- Magenta (36%)
- Yellow (18%)
- Black (38%)



- Cyan (38%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9810, 18.2900, 23.4382 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 22.9810, 18.2900, 23.4382 by changing the saturation by 10% instead.

■ 22.9810, 18.2900,
23.4382

■ 22.9810, 18.2900,
23.4382

260.1645,
242.5006, 283.1623

■ 14.7001, 11.1584,
14.7091

■ 47.8290, 40.5309,
50.0441

■ 8.6941, 6.1735,
8.4711

■ 65.1268, 56.4089,
68.7580

■ 4.5977, 2.9509,
4.3058

■ 86.1610, 75.9712,
91.6372

■ 2.0455, 1.1061,
1.7946

■ 111.2969, 99.6022,
119.1003

■ 0.6593, 0.0000,
0.4244

140.8998,
127.6862, 151.5659

■ 0.0000, 0.0000,
0.0000

175.3352,

160.6077, 189.4523

214.9683,
198.7510, 233.1783

■ 22.9810, 18.2900,
23.4382

■ 22.9810, 18.2900,
23.4382

■ 21.0708, 15.2908,
20.2695

■ 25.2322, 21.9048,
26.9244

■ 19.4818, 12.8695,
17.4067

■ 27.8395, 26.1647,
30.7370

■ 18.1944, 10.9887,
14.8385

■ 30.8193, 31.1005,
34.8859

■ 17.1864, 9.6050,
12.5527

■ 34.1860, 36.7403,
39.3802

■ 16.4317, 8.6684,
10.5355

■ 37.9537, 43.1104,
44.2285

■ 15.8933, 8.1064,
8.7693

■ 42.1355, 50.2359,
49.4392

■ 15.7275, 7.9427,
8.1963

■ 46.7439, 58.1407,
55.0202

■ 51.7910, 66.8476,
60.9794

■ 57.2882, 76.3784,
67.3241

Harmonies

Analogous

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



21.4926, 18.2900, 31.9125



22.9810, 18.2900, 23.4382



22.8617, 18.2900, 15.8358

Triad

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



22.9810, 18.2900, 23.4382



15.8945, 18.2900, 8.7766



14.0697, 18.2900, 32.9872

Complementary

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



22.9810, 18.2900, 23.4382



21.7950, 29.1751, 25.6031

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.



12.8598, 18.2900, 24.6400



22.9810, 18.2900, 23.4382



13.8356, 18.2900, 11.3785

Square

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



22.9810, 18.2900, 23.4382



18.5744, 18.2900, 8.6131



12.7788, 18.2900, 16.7633



16.2458, 18.2900, 38.3160

Rectangle

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



22.9810, 18.2900, 23.4382



21.8851, 18.2900, 12.1931



12.7788, 18.2900, 16.7633



13.5468, 18.2900, 30.3556

Sweetspot

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



22.9815, 18.2909, 23.4386



52.5834, 51.3595, 58.8839



20.1184, 16.5574, 34.9366



11.7035, 11.3284, 13.0642



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.9815, 18.2909, 23.4386



38.2562, 28.1920, 37.1928



21.3014, 17.6188, 14.5910



6.7644, 6.6987, 7.6105



12.4432, 6.2818, 6.5848



0.2438, 0.1209, 0.2301

Inverse Universe

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



22.9815, 18.2909, 23.4386



38.2562, 28.1920, 37.1928



24.0235, 30.0665, 37.3383



6.7644, 6.6987, 7.6105



12.4432, 6.2818, 6.5848



0.2438, 0.1209, 0.2301

Previews

White Background



This preview shows how the XYZ color 22.9810, 18.2900, 23.4382 looks on a white background.

Color Contrast Check

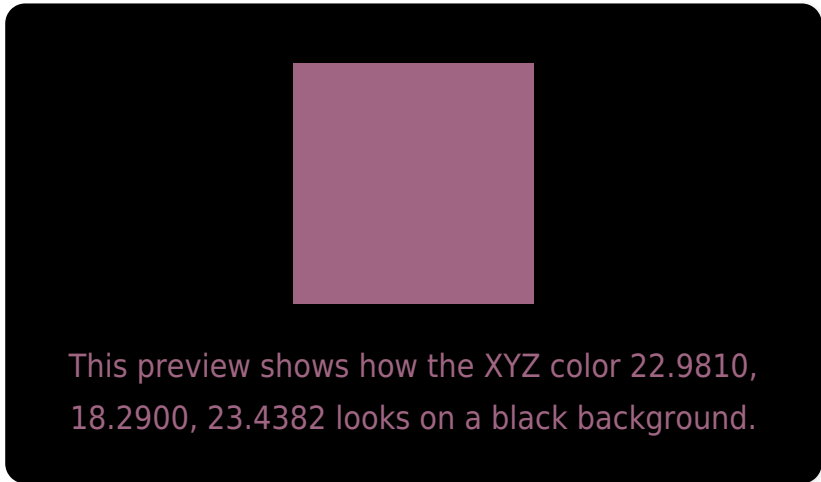
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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 22.9810, 18.2900, 23.4382

Background



This preview shows how black text looks on a background with the XYZ color 22.9810, 18.2900, 23.4382.



This preview shows how white text looks on a background with the XYZ color 22.9810, 18.2900,

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

22.9810, 18.2900, 23.4382

Protanopia

18.2256, 18.4574, 27.8013

Deuteranopia

18.8286, 18.5351, 22.6639



Tritanopia

21.7796, 18.2386, 17.7017

Trichromacy



Original Color

22.9810, 18.2900, 23.4382

Protanomaly

19.5154, 18.1403, 26.1398

Deuteranomaly

20.2282, 18.4164, 22.9106

Tritanomaly

22.2806, 18.3015, 19.8110

Monochromacy



Original Color

22.9810, 18.2900, 23.4382

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.7107, 18.6662, 21.9661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9810, 18.2900, 23.4382 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(159, 101, 130)` looks like.

```
.text, #text, p{  
    color:rgb(159, 101, 130)  
}
```

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(159, 101, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 101, 130) }
```

Border

The CSS property to change the border of an element to XYZ 22.9810, 18.2900, 23.4382 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(159, 101, 130) }
```


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

```
.border{ border-color:rgb(159, 101, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 101, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 101, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 101, 130);  
box-shadow:4px 4px 4px 4px rgb(159, 101,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9810, 18.2900, 23.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 101, 130) }
```

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

```
.background{ background-color: rgb(159,  
101, 130) }
```

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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