

Converting Colors

XYZ(21.8932, 23.9890, 10.6842)

Have a look what the booklet for
XYZ(21.8932, 23.9890, 10.6842)
contains.

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Color

**XYZ(21.8932, 23.9890,
10.6842)**

Conversions

Conversions Part 1

Format	Color
Hex	92874E
RGB	146, 135, 78
RGB Percent	57%, 53%, 31%
CMY	0.4275, 0.4706, 0.6941
CMYK	0.00, 0.08, 0.47, 0.43
HSL	50°, 30%, 44%
HSV	50°, 47%, 57%
XYZ	21.8932, 23.9890, 10.6842
YIQ	131.7910, 24.8530, -15.3950

Conversions

Conversions Part 2

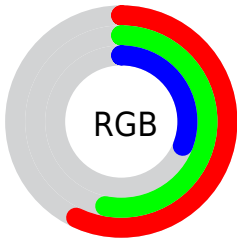
Format	Color
R _{YB}	91, 146, 78
Decimal	9602894
CIE Lab	56.08, -4.18, 32.02
CIE LCh	56, 32.294, 97.434
Yxy	23.9890, 0.3870, 0.4241
Android (android.graphics.Color)	4287792974 (0xFF92874E)
YUV	131.7910, -26.5190, 12.4613
Hunter-Lab	48.9786, -5.9238, 21.3515

Details

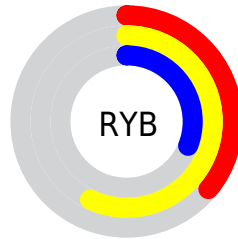
The XYZ color **21.8932, 23.9890, 10.6842** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.9025, 10.8395, 28.6590**, and the grayscale version is **21.9436, 23.0863, 25.1410**.

A 20% lighter version of the original color is **45.9669, 49.9425, 27.6392**, and **8.1912, 9.1342, 2.6277** is the 20% darker color. If you saturate the color by 10%, you get **21.1013, 23.1518, 8.1183**, and if you desaturate by 10%, it is **22.8099, 24.8895, 13.8656**.

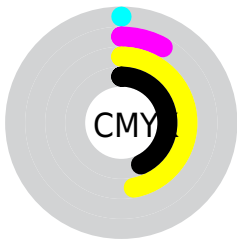
Distribution



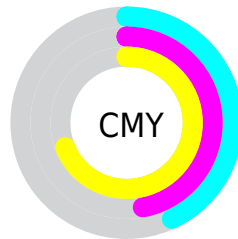
- Red (57%)
- Green (53%)
- Blue (31%)



- Red (36%)
- Yellow (57%)
- Blue (31%)



- Cyan (0%)
- Magenta (8%)
- Yellow (47%)
- Black (43%)



- Cyan (43%)
- Magenta (47%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8932, 23.9890, 10.6842 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 21.8932, 23.9890, 10.6842 by changing the saturation by 10% instead.

■ 21.8932, 23.9890,
10.6842

■ 21.8932, 23.9890,
10.6842

254.6309,
272.7649, 206.1470

■ 13.8946, 15.3255,
5.7434

■ 46.0496, 50.0122,
27.7024

■ 8.1286, 9.0481,
2.6234

■ 62.9381, 68.1407,
40.6168

■ 4.2299, 4.7726,
0.9045

■ 83.5206, 90.1930,
57.0263

■ 1.8330, 2.1145,
0.0000

■ 108.1625,
116.5535, 77.3492

■ 0.5374, 0.6727,
0.0000

■ 137.2291,
147.6065, 102.0042

■ 0.0000, 0.0000,
0.0000

171.0858,

183.7365, 131.4099

210.0980,
225.3278, 165.9846

■ 21.8932, 23.9890,
10.6842

■ 21.8932, 23.9890,
10.6842

■ 21.1013, 23.1518,
8.1183

■ 22.8099, 24.8895,
13.8656

■ 20.4244, 22.3714,
6.1255

■ 23.8566, 25.8529,
17.6984

■ 19.8546, 21.6454,
4.6602

■ 25.0406, 26.8831,
22.2172

■ 19.3815, 20.9695,
3.6694

■ 26.3678, 27.9825,
27.4540

■ 18.9891, 20.3373,
3.0683

■ 27.8441, 29.1534,
33.4385

■ 18.8616, 20.1261,
2.8906

■ 29.4748, 30.3982,
40.1991

■ 31.2651, 31.7190,
47.7624

■ 33.2197, 33.1176,
56.1538

■ 35.3434, 34.5962,
65.3977

Harmonies

Analogous

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



25.6396, 23.9890, 11.4674



21.8932, 23.9890, 10.6842



18.7462, 23.9890, 13.0576

Triad

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



21.8932, 23.9890, 10.6842



17.6081, 23.9890, 40.5557



30.0171, 23.9890, 34.7394

Complementary

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



21.8932, 23.9890, 10.6842



11.9025, 10.8395, 28.6590

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.



27.4016, 23.9890, 45.8554



21.8932, 23.9890, 10.6842



20.1797, 23.9890, 49.7973

Square

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



21.8932, 23.9890, 10.6842



16.4521, 23.9890, 28.8442



23.7332, 23.9890, 51.9619



30.6029, 23.9890, 23.5729

Rectangle

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



21.8932, 23.9890, 10.6842



17.3182, 23.9890, 16.6208



23.7332, 23.9890, 51.9619



29.3334, 23.9890, 38.6855

Sweetspot

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



21.8938, 23.9901, 10.6847



44.6881, 47.8582, 41.1962



16.3958, 12.2869, 11.0325



9.8444, 10.5649, 8.7866



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.8938, 23.9901, 10.6847



37.1531, 40.7629, 14.0991



19.8703, 25.3435, 11.0526



6.1864, 6.5866, 6.1858



16.6118, 17.7380, 2.5482



0.2205, 0.2514, 0.0369

Inverse Universe

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



11.9025, 10.8395, 28.6590



17.2909, 14.6381, 49.8877



13.2425, 10.2719, 28.4788



5.5708, 5.7755, 7.2909



4.8578, 2.4104, 24.1403



0.0738, 0.0582, 0.3002

Previews

White Background



This preview shows how the XYZ color 21.8932, 23.9890, 10.6842 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 21.8932, 23.9890, 10.6842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

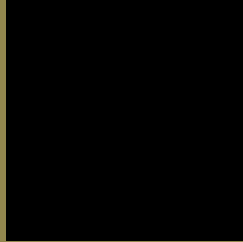
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8932, 23.9890, 10.6842

Background



This preview shows how black text looks on a background with the XYZ color 21.8932, 23.9890, 10.6842.



This preview shows how white text looks on a background with the XYZ color 21.8932, 23.9890,

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

21.8932, 23.9890, 10.6842

Protanopia

22.0717, 24.0810, 10.6925

Deuteranopia

24.2714, 23.8041, 10.9048



Tritanopia

25.2555, 23.9487, 27.3362

Trichromacy



Original Color

21.8932, 23.9890, 10.6842

Protanomaly

22.0717, 24.0810, 10.6925

Deuteranomaly

23.4322, 23.9652, 10.7879

Tritanomaly

23.8464, 23.9776, 19.8943

Monochromacy



Original Color

21.8932, 23.9890, 10.6842

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.6287, 23.2633, 18.6795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8932, 23.9890, 10.6842 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(146, 135, 78)` looks like.

```
.text, #text, p{  
    color:rgb(146, 135, 78)  
}
```

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(146, 135, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 135, 78) }
```

Border

The CSS property to change the border of an element to XYZ 21.8932, 23.9890, 10.6842 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(146, 135, 78) }
```


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

```
.border{ border-color:rgb(146, 135, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 135, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 135, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 135, 78);  
box-shadow:4px 4px 4px 4px rgb(146, 135,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8932, 23.9890, 10.6842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 135, 78) }
```

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

```
.background{ background-color: rgb(146,  
135, 78) }
```

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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