

Converting Colors

XYZ(21.7901, 22.9076, 11.6915)

Have a look what the booklet for
XYZ(21.7901, 22.9076, 11.6915)
contains.

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Color

**XYZ(21.7956, 22.9013,
11.6591)**

Conversions

Conversions Part 1

Format	Color
Hex	948254
RGB	148, 130, 84
RGB Percent	58%, 51%, 33%
CMY	0.4196, 0.4902, 0.6706
CMYK	0.00, 0.12, 0.43, 0.42
HSL	43°, 28%, 45%
HSV	43°, 43%, 58%
XYZ	21.7956, 22.9013, 11.6591
YIQ	130.1380, 25.4940, -10.4900

Conversions

Conversions Part 2

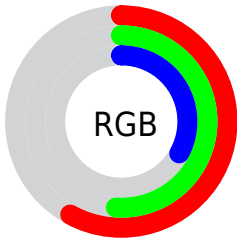
Format	Color
R_{YB}	109, 148, 84
Decimal	9732692
CIE _{Lab}	54.97, 0.13, 27.39
CIE _{LCh}	55, 27.391, 89.720
Yxy	22.9013, 0.3867, 0.4064
Android (android.graphics.Color)	4287922772 (0xFF948254)
YUV	130.1380, -22.7460, 15.6650
Hunter-Lab	47.8553, -2.4493, 19.0537

Details

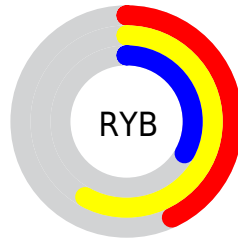
The XYZ color **21.7956, 22.9013, 11.6591** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.7526, 13.5251, 29.9026**, and the grayscale version is **21.3391, 22.4504, 24.4485**.

A 20% lighter version of the original color is **45.8652, 48.2847, 29.4568**, and **8.1162, 8.5116, 3.0489** is the 20% darker color. If you saturate the color by 10%, you get **20.7339, 21.6095, 8.7413**, and if you desaturate by 10%, it is **23.0034, 24.2890, 15.2304**.

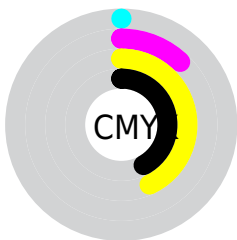
Distribution



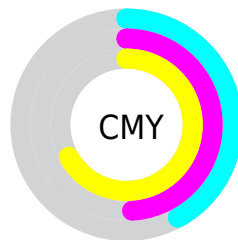
- Red (58%)
- Green (51%)
- Blue (33%)



- Red (43%)
- Yellow (58%)
- Blue (33%)



- Cyan (0%)
- Magenta (12%)
- Yellow (43%)
- Black (42%)



- Cyan (42%)
- Magenta (49%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7956, 22.9013, 11.6591 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 21.7956, 22.9013, 11.6591 by changing the saturation by 10% instead.

■ 21.7956, 22.9013,
11.6591

■ 21.7956, 22.9013,
11.6591

254.1295,
267.2176, 213.0324

■ 13.8225, 14.5206,
6.3923

■ 45.8893, 48.2312,
29.5277

■ 8.0782, 8.4837,
3.0124

■ 62.7407, 65.9493,
42.9666

■ 4.1973, 4.4060,
1.1010

■ 83.2822, 87.5486,
59.9667

■ 1.8143, 1.9031,
0.0000

■ 107.8792,
113.4135, 80.9463

■ 0.5263, 0.5503,
0.0000

■ 136.8971,
143.9285, 106.3242

■ 0.0000, 0.0000,
0.0000

170.7012,

179.4779, 136.5188

209.6569,
220.4462, 171.9487

■ 21.7956, 22.9013,
11.6591

■ 21.7956, 22.9013,
11.6591

■ 20.7339, 21.6095,
8.7413

■ 23.0034, 24.2890,
15.2304

■ 19.8085, 20.4069,
6.4345

■ 24.3628, 25.7727,
19.4914

■ 19.0109, 19.2904,
4.6935

■ 25.8813, 27.3568,
24.4771

■ 18.3312, 18.2555,
3.4660

■ 27.5653, 29.0440,
30.2198

■ 17.7571, 17.2970,
2.6900

■ 29.4207, 30.8373,
36.7498

■ 17.4064, 16.6833,
2.3028

■ 31.4532, 32.7392,
44.0958

■ 33.6682, 34.7523,
52.2851

■ 36.0709, 36.8790,
61.3436

■ 38.6661, 39.1217,
71.2961

Harmonies

Analogous

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



24.8503, 22.9013, 13.0901



21.7956, 22.9013, 11.6591



18.9951, 22.9013, 13.0369

Triad

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



21.7956, 22.9013, 11.6591



17.0737, 22.9013, 34.1927



27.2168, 22.9013, 34.3680

Complementary

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



21.7956, 22.9013, 11.6591



13.7526, 13.5251, 29.9026

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.



24.7963, 22.9013, 42.4886



21.7956, 22.9013, 11.6591



18.9499, 22.9013, 42.3719

Square

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



21.7956, 22.9013, 11.6591



16.4280, 22.9013, 24.8538



21.7384, 22.9013, 45.7088



28.1531, 22.9013, 25.0176

Rectangle

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



21.7956, 22.9013, 11.6591



17.6041, 22.9013, 15.6006



21.7384, 22.9013, 45.7088



26.5393, 22.9013, 37.4043

Sweetspot

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



21.7962, 22.9024, 11.6596



45.6617, 48.2649, 43.1725



17.7880, 13.5987, 14.2925



10.2934, 10.8842, 9.4210



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.7962, 22.9024, 11.6596



36.6198, 38.1741, 15.5177



22.0429, 26.8991, 12.4180



6.1290, 6.4718, 6.1666



14.8917, 14.2977, 1.9749



0.2073, 0.2250, 0.0325

Inverse Universe

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



13.7526, 13.5251, 29.9026



20.5133, 19.4139, 52.1007



13.5384, 11.0683, 29.4397



5.6244, 5.8828, 7.3088



5.2821, 3.2590, 24.2817



0.0870, 0.0846, 0.3046

Previews

White Background



This preview shows how the XYZ color 21.7956, 22.9013, 11.6591 looks on a white background.

Color Contrast Check

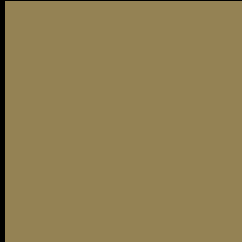
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7956, 22.9013, 11.6591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

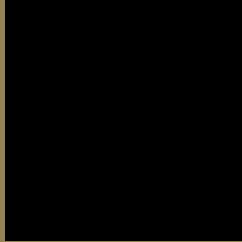
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7956, 22.9013, 11.6591

Background



This preview shows how black text looks on a background with the XYZ color 21.7956, 22.9013, 11.6591.



This preview shows how white text looks on a background with the XYZ color 21.7956, 22.9013,

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

21.7956, 22.9013, 11.6591

Protanopia

21.2186, 22.9980, 11.9151

Deuteranopia

23.3986, 22.9485, 11.7906



Tritanopia

24.6476, 22.9088, 25.6770

Trichromacy



Original Color

21.7956, 22.9013, 11.6591

Protanomaly

21.4330, 22.9082, 11.8864

Deuteranomaly

22.7466, 22.8032, 11.7969

Tritanomaly

23.3757, 22.7620, 19.6845

Monochromacy



Original Color

21.7956, 22.9013, 11.6591

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.2798, 22.4759, 18.8395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7956, 22.9013, 11.6591 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(148, 130, 84)` looks like.

```
.text, #text, p{  
    color:rgb(148, 130, 84)  
}
```

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(148, 130, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 130, 84) }
```

Border

The CSS property to change the border of an element to XYZ 21.7956, 22.9013, 11.6591 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(148, 130, 84) }
```


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

```
.border{ border-color:rgb(148, 130, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 130, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 130, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 130, 84);  
box-shadow:4px 4px 4px 4px rgb(148, 130,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7956, 22.9013, 11.6591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 130, 84) }
```

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

```
.background{ background-color: rgb(148,  
130, 84) }
```

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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