

Converting Colors

XYZ(21.3030, 19.3814, 14.8988)

Have a look what the booklet for
XYZ(21.3030, 19.3814, 14.8988)
contains.

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Color

**XYZ(21.2800, 19.3002,
14.9157)**

Conversions

Conversions Part 1

Format	Color
Hex	997065
RGB	153, 112, 101
RGB Percent	60%, 44%, 40%
CMY	0.4000, 0.5608, 0.6039
CMYK	0.00, 0.27, 0.34, 0.40
HSL	13°, 20%, 50%
HSV	13°, 34%, 60%
XYZ	21.2800, 19.3002, 14.9157
YIQ	123.0050, 27.9670, 5.2710

Conversions

Conversions Part 2

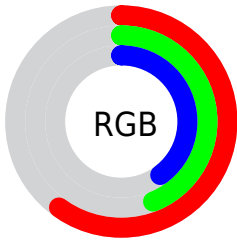
Format	Color
R_{YB}	153, 115, 101
Decimal	10055781
CIE _{Lab}	51.04, 14.66, 12.48
CIE _{LCh}	51, 19.252, 40.413
Yxy	19.3002, 0.3835, 0.3478
Android (android.graphics.Color)	4288245861 (0xFF997065)
YUV	123.0050, -10.8485, 26.3056
Hunter-Lab	43.9320, 9.5817, 10.6224

Details

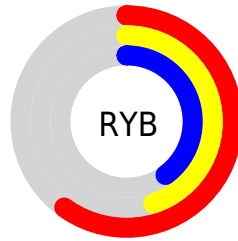
The XYZ color **21.2800, 19.3002, 14.9157** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.7893, 24.4119, 33.7533**, and the grayscale version is **18.8570, 19.8390, 21.6047**.

A 20% lighter version of the original color is **44.9554, 42.2278, 35.4871**, and **7.7548, 6.6425, 4.3634** is the 20% darker color. If you saturate the color by 10%, you get **19.3561, 16.5425, 10.9139**, and if you desaturate by 10%, it is **23.5228, 22.4723, 19.7128**.

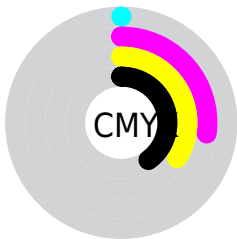
Distribution



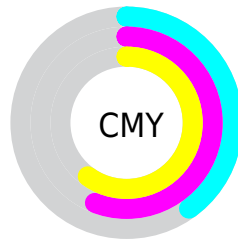
- Red (60%)
- Green (44%)
- Blue (40%)



- Red (60%)
- Yellow (45%)
- Blue (40%)



- Cyan (0%)
- Magenta (27%)
- Yellow (34%)
- Black (40%)





- Cyan (40%)
- Magenta (56%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2800, 19.3002, 14.9157 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 21.2800, 19.3002, 14.9157 by changing the saturation by 10% instead.


 21.2800, 19.3002,
14.9157


 21.2800, 19.3002,
14.9157


251.4665,
248.1011, 234.4786

 13.4425, 11.8874,
8.6143


 45.0408, 42.2408,
35.4454


 7.8130, 6.6670,
4.3971


 61.6948, 58.5373,
50.5108

 4.0263, 3.2548,
1.8456

 82.0184, 78.5639,
69.3346

 1.7170, 1.2661,
0.4578

 106.3768,
102.7049, 92.3354

 0.4669, 0.1148,
0.0000

135.1355,
131.3447, 119.9316

 0.0000, 0.0000,
0.0000

168.6597,

164.8677, 152.5418

207.3149,
203.6584, 190.5847

■ 21.2800, 19.3002,
14.9157

■ 21.2800, 19.3002,
14.9157

■ 19.3561, 16.5425,
10.9139

■ 23.5228, 22.4723,
19.7128

■ 17.7349, 14.1791,
7.6631

■ 26.0968, 26.0721,
25.3439

■ 16.4007, 12.1927,
5.1162

■ 29.0156, 30.1158,
31.8468

■ 15.3360, 10.5632,
3.2204

■ 32.2913, 34.6180,
39.2562

■ 14.5213, 9.2688,
1.9154

■ 35.9357, 39.5925,
47.6055

■ 13.9336, 8.2851,
1.1290

■ 39.9598, 45.0526,
56.9258

■ 13.6635, 7.8256,
0.7903

■ 44.3743, 51.0110,
67.2471

■ 49.1895, 57.4799,
78.5982

■ 54.4151, 64.4714,
91.0064

Harmonies

Analogous

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



22.1919, 19.3002, 19.1733



21.2800, 19.3002, 14.9157



19.6011, 19.3002, 12.5927

Triad

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



21.2800, 19.3002, 14.9157



15.1021, 19.3002, 17.6872



19.0150, 19.3002, 33.1269

Complementary

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



21.2800, 19.3002, 14.9157



20.7893, 24.4119, 33.7533

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.



17.1423, 19.3002, 32.5415



21.2800, 19.3002, 14.9157



14.9692, 19.3002, 22.9702

Square

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



21.2800, 19.3002, 14.9157



16.0684, 19.3002, 13.9905



15.6918, 19.3002, 28.5838



20.8254, 19.3002, 30.0668

Rectangle

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



21.2800, 19.3002, 14.9157



18.3179, 19.3002, 12.1659



15.6918, 19.3002, 28.5838



18.3707, 19.3002, 33.3613

Sweetspot

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



21.2805, 19.3011, 14.9161



48.6430, 49.3408, 49.6131



22.7184, 18.0510, 28.1149



10.5960, 10.6939, 10.6334



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.



21.2805, 19.3011, 14.9161



35.3674, 30.6394, 20.9880



24.4886, 25.7173, 15.9855



6.3095, 6.4241, 6.5133



11.3135, 6.5094, 0.6602



0.1916, 0.1422, 0.0174

Inverse Universe

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



20.7893, 24.4119, 33.7533



34.3358, 41.2357, 60.1216



17.4316, 17.6964, 32.6341



6.2736, 6.8046, 7.9117



10.3901, 13.1769, 26.9035



0.1802, 0.2466, 0.4105

Previews

White Background



This preview shows how the XYZ color 21.2800, 19.3002, 14.9157 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 21.2800, 19.3002, 14.9157 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 21.2800, 19.3002, 14.9157

Background



This preview shows how black text looks on a background with the XYZ color 21.2800, 19.3002, 14.9157.

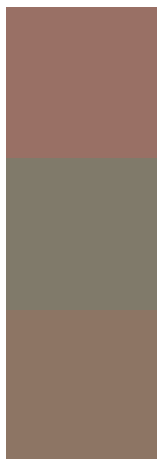


This preview shows how white text looks on a background with the XYZ color 21.2800, 19.3002,

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

21.2800, 19.3002, 14.9157

Protanopia

18.4631, 19.5489, 16.4359

Deuteranopia

19.6460, 19.3054, 14.7474



Tritanopia

22.3635, 19.4284, 19.7109

Trichromacy



Original Color

21.2800, 19.3002, 14.9157

Protanomaly

19.2937, 19.2747, 15.8002

Deuteranomaly

20.1080, 19.2013, 14.7030

Tritanomaly

21.9355, 19.4088, 17.9194

Monochromacy



Original Color

21.2800, 19.3002, 14.9157

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.5229, 19.4998, 18.9545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2800, 19.3002, 14.9157 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(153, 112, 101)` looks like.

```
.text, #text, p{  
    color:rgb(153, 112, 101)  
}
```

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(153, 112, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 112, 101) }
```

Border

The CSS property to change the border of an element to XYZ 21.2800, 19.3002, 14.9157 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(153, 112, 101) }
```


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

```
.border{ border-color:rgb(153, 112, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 112, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 112, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 112, 101);  
box-shadow:4px 4px 4px 4px rgb(153, 112,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2800, 19.3002, 14.9157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 112, 101) }
```

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

```
.background{ background-color: rgb(153,  
112, 101) }
```

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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