

Converting Colors

XYZ(21.7049, 21.2177, 18.5644)

Have a look what the booklet for
XYZ(21.7049, 21.2177, 18.5644)
contains.

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Color

**XYZ(21.6172, 21.1311,
18.5621)**

Conversions

Conversions Part 1

Format	Color
Hex	917A71
RGB	145, 122, 113
RGB Percent	57%, 48%, 44%
CMY	0.4314, 0.5216, 0.5569
CMYK	0.00, 0.16, 0.22, 0.43
HSL	17°, 13%, 51%
HSV	17°, 22%, 57%
XYZ	21.6172, 21.1311, 18.5621
YIQ	127.8510, 16.5970, 2.0770

Conversions

Conversions Part 2

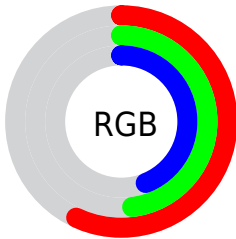
Format	Color
R_{YB}	145, 126, 113
Decimal	9534065
CIE Lab	53.09, 7.39, 8.23
CIE LCh	53, 11.060, 48.070
Yxy	21.1311, 0.3526, 0.3447
Android (android.graphics.Color)	4287724145 (0xFF917A71)
YUV	127.8510, -7.3215, 15.0397
Hunter-Lab	45.9686, 3.4965, 8.2367

Details

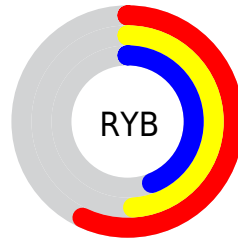
The XYZ color **21.6172, 21.1311, 18.5621** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.7247, 23.1626, 30.1666**, and the grayscale version is **20.4872, 21.5541, 23.4724**.

A 20% lighter version of the original color is **45.4808, 45.1308, 41.9113**, and **7.9528, 7.5264, 6.0346** is the 20% darker color. If you saturate the color by 10%, you get **19.6537, 18.4077, 14.1968**, and if you desaturate by 10%, it is **23.8495, 24.1830, 23.6610**.

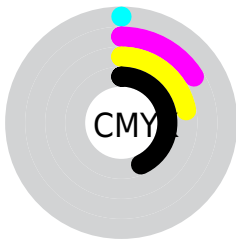
Distribution



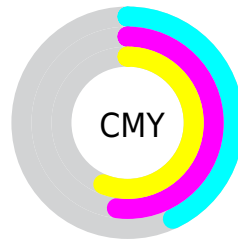
- Red (57%)
- Green (48%)
- Blue (44%)



- Red (57%)
- Yellow (49%)
- Blue (44%)



- Cyan (0%)
- Magenta (16%)
- Yellow (22%)
- Black (43%)



- Cyan (43%)
- Magenta (52%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6172, 21.1311, 18.5621 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 21.6172, 21.1311, 18.5621 by changing the saturation by 10% instead.

■ 21.6172, 21.1311,
18.5621

■ 21.6172, 21.1311,
18.5621

253.2107,
257.9744, 256.3622

■ 13.6909, 13.2199,
11.1807

■ 45.5961, 45.3056,
41.8196

■ 7.9863, 7.5801,
6.0728

■ 62.3794, 62.3377,
58.5328

■ 4.1379, 3.8275,
2.8199

■ 82.8457, 83.1788,
79.1937

■ 1.7804, 1.5775,
1.0034

■ 107.3605,
108.2134, 104.2208

■ 0.5058, 0.3424,
0.0000

136.2890,
137.8259, 134.0327

■ 0.0000, 0.0000,
0.0000

169.9967,

172.4006, 169.0478

208.8488,
212.3220, 209.6848

■ 21.6172, 21.1311,
18.5621

■ 21.6172, 21.1311,
18.5621

■ 19.6537, 18.4077,
14.1968

■ 23.8495, 24.1830,
23.6610

■ 17.9469, 15.9989,
10.5299

■ 26.3588, 27.5711,
29.5240

■ 16.4860, 13.8939,
7.5250

■ 29.1550, 31.3064,
36.1814

■ 15.2590, 12.0803,
5.1420

■ 32.2471, 35.3985,
43.6615

■ 14.2527, 10.5445,
3.3365

■ 35.6435, 39.8567,
51.9911

■ 13.4524, 9.2720,
2.0580

■ 39.3525, 44.6899,
61.1960

■ 12.8413, 8.2469,
1.2470

■ 43.3819, 49.9067,
71.3007

■ 12.4630, 7.5916,
0.8084

■ 47.7392, 55.5153,
82.3288

■ 52.4319, 61.5239,
94.3030

Harmonies

Analogous

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



22.2878, 21.1311, 21.0770



21.6172, 21.1311, 18.5621



20.5506, 21.1311, 17.2902

Triad

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



21.6172, 21.1311, 18.5621



17.9737, 21.1311, 21.7086



20.7866, 21.1311, 29.6544

Complementary

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



21.6172, 21.1311, 18.5621



20.7247, 23.1626, 30.1666

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.



19.6254, 21.1311, 29.8653



21.6172, 21.1311, 18.5621



18.0313, 21.1311, 25.0538

Square

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



21.6172, 21.1311, 18.5621



18.4653, 21.1311, 18.9859



18.6260, 21.1311, 28.1129



21.7957, 21.1311, 27.5618

Rectangle

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



21.6172, 21.1311, 18.5621



19.7720, 21.1311, 17.2284



18.6260, 21.1311, 28.1129



20.4003, 21.1311, 29.9546

Sweetspot

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



21.6178, 21.1321, 18.5625



44.8598, 46.2184, 47.3674



22.0595, 19.6211, 26.0915



9.9305, 10.2155, 10.4229



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.



21.6178, 21.1321, 18.5625



37.0826, 35.5906, 29.5864



23.6795, 25.2554, 19.2498



5.5248, 5.6558, 5.6899



10.7097, 6.5512, 0.7000



0.1191, 0.0961, 0.0123

Inverse Universe

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



20.7247, 23.1626, 30.1666



35.2169, 39.8247, 53.8044



18.6938, 19.1007, 29.4896



5.4338, 5.8633, 6.8741



8.6700, 10.3260, 24.5132



0.1016, 0.1361, 0.2406

Previews

White Background



This preview shows how the XYZ color 21.6172, 21.1311, 18.5621 looks on a white background.

Color Contrast Check

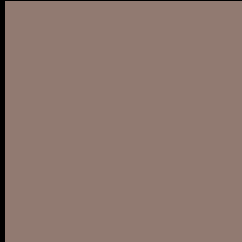
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6172, 21.1311, 18.5621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

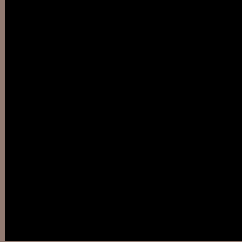
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6172, 21.1311, 18.5621

Background



This preview shows how black text looks on a background with the XYZ color 21.6172, 21.1311, 18.5621.



This preview shows how white text looks on a background with the XYZ color 21.6172, 21.1311,

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

21.6172, 21.1311, 18.5621

Protanopia

20.0711, 21.0650, 19.2278

Deuteranopia

21.4418, 21.0406, 18.5539



Tritanopia

22.7115, 21.2210, 23.6679

Trichromacy



Original Color

21.6172, 21.1311, 18.5621

Protanomaly

20.6874, 21.2005, 18.9214

Deuteranomaly

21.4418, 21.0406, 18.5539

Tritanomaly

22.2666, 21.2158, 21.6604

Monochromacy



Original Color

21.6172, 21.1311, 18.5621

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8675, 21.4201, 21.7735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6172, 21.1311, 18.5621 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(145, 122, 113)` looks like.

```
.text, #text, p{  
    color:rgb(145, 122, 113)  
}
```

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(145, 122, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 122, 113) }
```

Border

The CSS property to change the border of an element to XYZ 21.6172, 21.1311, 18.5621 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(145, 122, 113) }
```


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

```
.border{ border-color:rgb(145, 122, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 122, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 122, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 122, 113);  
box-shadow:4px 4px 4px 4px rgb(145, 122,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6172, 21.1311, 18.5621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 122, 113) }
```

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

```
.background{ background-color: rgb(145,  
122, 113) }
```

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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