

Converting Colors

XYZ(16.8541, 21.6778, 22.5529)

Have a look what the booklet for
XYZ(16.8541, 21.6778, 22.5529)
contains.

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Color

**XYZ(16.9100, 21.7815,
22.7150)**

Conversions

Conversions Part 1

Format	Color
Hex	598A7D
RGB	89, 138, 125
RGB Percent	35%, 54%, 49%
CMY	0.6510, 0.4588, 0.5098
CMYK	0.36, 0.00, 0.09, 0.46
HSL	164°, 22%, 45%
HSV	164°, 36%, 54%
XYZ	16.9100, 21.7815, 22.7150
YIQ	121.8670, -25.0310, -14.4310

Conversions

Conversions Part 2

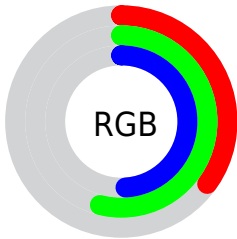
Format	Color
R_{YB}	89, 117, 138
Decimal	5868157
CIE _{Lab}	53.79, -19.62, 1.72
CIE _{LCh}	54, 19.698, 174.996
Yxy	21.7815, 0.2754, 0.3547
Android (android.graphics.Color)	4284058237 (0xFF598A7D)
YUV	121.8670, 1.5446, -28.8244
Hunter-Lab	46.6707, -16.9984, 3.8125

Details

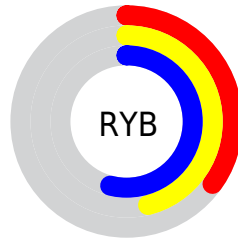
The XYZ color **16.9100, 21.7815, 22.7150** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.4527, 13.5080, 14.3115**, and the grayscale version is **18.4568, 19.4180, 21.1462**.

A 20% lighter version of the original color is **37.8700, 46.5763, 49.1137**, and **5.6309, 7.9326, 8.0718** is the 20% darker color. If you saturate the color by 10%, you get **15.4784, 21.0706, 21.4497**, and if you desaturate by 10%, it is **18.5998, 22.6257, 24.0384**.

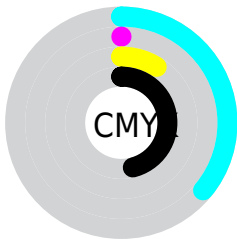
Distribution



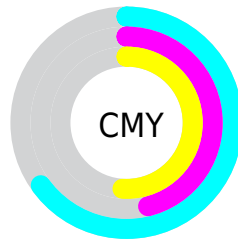
- Red (35%)
- Green (54%)
- Blue (49%)



- Red (35%)
- Yellow (46%)
- Blue (54%)



- Cyan (36%)
- Magenta (0%)
- Yellow (9%)
- Black (46%)



- Cyan (65%)
- Magenta (46%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9100, 21.7815, 22.7150 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 16.9100, 21.7815, 22.7150 by changing the saturation by 10% instead.

■ 16.9100, 21.7815,
22.7150

■ 16.9100, 21.7815,
22.7150

227.8196,
261.4031, 279.3321

■ 10.2652, 13.6964,
14.1799

■ 37.7158, 46.3846,
48.8422

■ 5.6388, 7.9098,
8.1057

■ 52.6076, 63.6714,
67.2713

■ 2.6653, 4.0373,
4.0739

■ 70.9790, 84.7943,
89.8356

■ 0.9793, 1.6945,
1.6660

■ 93.1956, 110.1376,
116.9534

■ 0.0000, 0.4201,
0.3373

119.6225,
140.0857, 149.0435

■ 0.0000, 0.0000,
0.0000

150.6253,

175.0231, 186.5243

186.5692,
215.3341, 229.8143

■ 16.9100, 21.7815,
22.7150

■ 16.9100, 21.7815,
22.7150

■ 15.4784, 21.0706,
21.4497

■ 18.5998, 22.6257,
24.0384

■ 14.2890, 20.4830,
20.2397

■ 20.5588, 23.6070,
25.4194

■ 13.3272, 20.0117,
19.0845

■ 22.7997, 24.7327,
26.8596

■ 12.5758, 19.6480,
17.9827

■ 25.3337, 26.0084,
28.3599

■ 12.0151, 19.3815,
16.9329

■ 28.1715, 27.4398,
29.9214

■ 11.6162, 19.1976,
15.9333

■ 31.3233, 29.0319,
31.5448

■ 11.4568, 19.1249,
15.4988

■ 34.7986, 30.7898,
33.2311

■ 38.6068, 32.7182,
34.9812

■ 42.7566, 34.8216,
36.7959

Harmonies

Analogous

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



17.5471, 21.7815, 17.6432



16.9100, 21.7815, 22.7150



17.2313, 21.7815, 28.9860

Triad

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



16.9100, 21.7815, 22.7150



22.4691, 21.7815, 35.9156



23.1241, 21.7815, 15.3984

Complementary

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



16.9100, 21.7815, 22.7150



16.4527, 13.5080, 14.3115

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.



24.6115, 21.7815, 19.1275



16.9100, 21.7815, 22.7150



24.2156, 21.7815, 31.0441

Square

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



16.9100, 21.7815, 22.7150



20.3500, 21.7815, 37.3134



25.0238, 21.7815, 24.7467



21.0594, 21.7815, 13.9032

Rectangle

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



16.9100, 21.7815, 22.7150



17.9580, 21.7815, 32.9411



25.0238, 21.7815, 24.7467



23.7136, 21.7815, 16.3978

Sweetspot

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



16.9106, 21.7824, 22.7155



37.8623, 42.4256, 45.8759



16.3794, 21.7279, 12.7822



8.3929, 9.4659, 10.2251



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.9106, 21.7824, 22.7155



27.6538, 37.3233, 38.1549



16.2415, 19.0267, 26.8623



5.1171, 5.6663, 6.1378



10.5100, 17.5366, 14.2422



0.0759, 0.1189, 0.1265

Inverse Universe

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



16.4527, 13.5080, 14.3115



26.7211, 20.3848, 20.9747



16.8840, 15.3229, 11.5194



5.0838, 5.0690, 5.5300



9.9159, 5.0765, 2.0617



0.0713, 0.0359, 0.0420

Previews

White Background



This preview shows how the XYZ color 16.9100, 21.7815, 22.7150 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 16.9100, 21.7815, 22.7150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

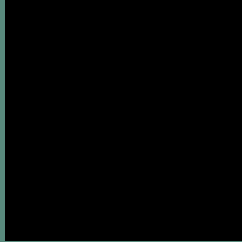
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9100, 21.7815, 22.7150

Background



This preview shows how black text looks on a background with the XYZ color 16.9100, 21.7815, 22.7150.

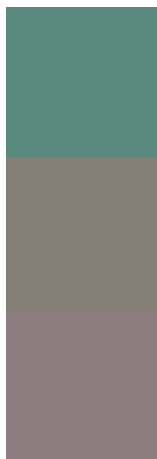


This preview shows how white text looks on a background with the XYZ color 16.9100, 21.7815,

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

16.9100, 21.7815, 22.7150

Protanopia

20.5647, 21.6758, 20.5527

Deuteranopia

21.9192, 21.5493, 23.4262



Tritanopia

18.4684, 21.7830, 30.4253

Trichromacy



Original Color

16.9100, 21.7815, 22.7150

Protanomaly

18.9049, 21.5960, 21.2612

Deuteranomaly

19.5662, 21.2978, 23.1583

Tritanomaly

17.8052, 21.7186, 27.2984

Monochromacy



Original Color

16.9100, 21.7815, 22.7150

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.7247, 20.1834, 21.7005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9100, 21.7815, 22.7150 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(89, 138, 125)` looks like.

```
.text, #text, p{  
    color:rgb(89, 138, 125)  
}
```

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(89, 138, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 138, 125) }
```

Border

The CSS property to change the border of an element to XYZ 16.9100, 21.7815, 22.7150 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(89, 138, 125) }
```


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

```
.border{ border-color:rgb(89, 138, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 138, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 138, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 138, 125);  
box-shadow:4px 4px 4px 4px rgb(89, 138,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9100, 21.7815, 22.7150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 138, 125) }
```

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

```
.background{ background-color: rgb(89, 138,  
125) }
```

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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