

Converting Colors

XYZ(19.8857, 21.5688, 27.2866)

Have a look what the booklet for
XYZ(19.8857, 21.5688, 27.2866)
contains.

XYZ(19.9062, 21.5821, 27.1614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.9062, 21.5821,
27.1614)**

Conversions

Conversions Part 1

Format	Color
Hex	75828A
RGB	117, 130, 138
RGB Percent	46%, 51%, 54%
CMY	0.5412, 0.4902, 0.4588
CMYK	0.15, 0.06, 0.00, 0.46
HSL	203°, 8%, 50%
HSV	203°, 15%, 54%
XYZ	19.9062, 21.5821, 27.1614
YIQ	127.0250, -10.3160, -0.2680

Conversions

Conversions Part 2

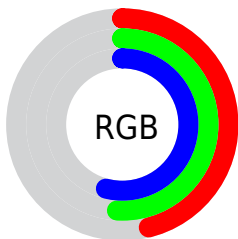
Format	Color
R_{YB}	117, 125, 138
Decimal	7701130
CIE _{Lab}	53.58, -2.99, -5.93
CIE _{LCh}	54, 6.643, 243.274
Yxy	21.5821, 0.2900, 0.3144
Android (android.graphics.Color)	4285891210 (0xFF75828A)
YUV	127.0250, 5.4107, -8.7919
Hunter-Lab	46.4565, -4.8133, -2.1451

Details

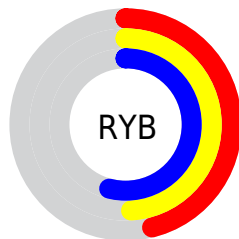
The XYZ color **19.9062, 21.5821, 27.1614** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.0260, 21.3550, 19.8438**, and the grayscale version is **20.1664, 21.2166, 23.1049**.

A 20% lighter version of the original color is **42.6996, 46.0636, 55.9309**, and **7.1581, 7.8546, 10.3713** is the 20% darker color. If you saturate the color by 10%, you get **17.5057, 19.3336, 26.8543**, and if you desaturate by 10%, it is **22.6170, 24.0448, 27.4942**.

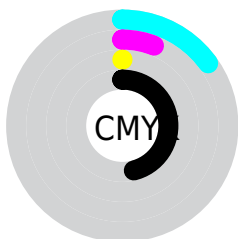
Distribution



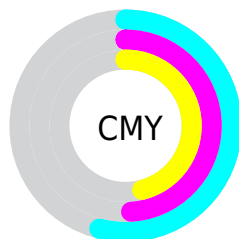
- Red (46%)
- Green (51%)
- Blue (54%)



- Red (46%)
- Yellow (49%)
- Blue (54%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)
- Black (46%)



- Cyan (54%)
- Magenta (49%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9062, 21.5821, 27.1614 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 19.9062, 21.5821, 27.1614 by changing the saturation by 10% instead.

■ 19.9062, 21.5821,
27.1614

■ 19.9062, 21.5821,
27.1614

244.2501,
260.3561, 302.2226

■ 12.4347, 13.5502,
17.4610

■ 42.7650, 46.0543,
56.1496

■ 7.1148, 7.8085,
10.3983

■ 58.8831, 63.2634,
76.2745

■ 3.5810, 3.9726,
5.5548

■ 78.6141, 84.3003,
100.7113

■ 1.4679, 1.6583,
2.5119

102.3233,
109.5494, 129.8785

■ 0.3038, 0.3964,
0.8465

130.3762,
139.3952, 164.1947

■ 0.0000, 0.0000,
0.0000

163.1380,

174.2219, 204.0784

200.9742,
214.4141, 249.9482

■ 19.9062, 21.5821,
27.1614

■ 19.9062, 21.5821,
27.1614

■ 17.5057, 19.3336,
26.8543

■ 22.6170, 24.0448,
27.4942

■ 15.4013, 17.2894,
26.5706

■ 25.6481, 26.7257,
27.8519

■ 13.5802, 15.4427,
26.3101

■ 29.0109, 29.6323,
28.2357

■ 12.0279, 13.7852,
26.0720

■ 32.7162, 32.7707,
28.6462

■ 10.7288, 12.3080,
25.8554

■ 36.7739, 36.1467,
29.0840

■ 9.6652, 11.0012,
25.6592

■ 41.1936, 39.7661,
29.5496

■ 8.8169, 9.8534,
25.4823

■ 45.9846, 43.6343,
30.0438

■ 8.1560, 8.8493,
25.3234

■ 51.1557, 47.7565,
30.5669

■ 7.8707, 8.4013,
25.2519

■ 56.7156, 52.1379,
31.1195

Harmonies

Analogous

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



19.3945, 21.5821, 25.7068



19.9062, 21.5821, 27.1614



20.5911, 21.5821, 27.6162

Triad

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



19.9062, 21.5821, 27.1614



21.9044, 21.5821, 23.2770



19.7743, 21.5821, 20.3841

Complementary

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



19.9062, 21.5821, 27.1614



21.0260, 21.3550, 19.8438

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.



20.4354, 21.5821, 19.8132



19.9062, 21.5821, 27.1614



21.6740, 21.5821, 21.4218

Square

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



19.9062, 21.5821, 27.1614



21.7549, 21.5821, 25.2990



21.1323, 21.5821, 20.1820



19.3196, 21.5821, 21.7869

Rectangle

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



19.9062, 21.5821, 27.1614



21.0565, 21.5821, 27.2710



21.1323, 21.5821, 20.1820



19.9792, 21.5821, 20.0924

Sweetspot

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



19.9068, 21.5830, 27.1619



39.9216, 42.4324, 48.4693



20.1076, 23.4323, 22.7653



8.8857, 9.4560, 10.8632



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.



19.9068, 21.5830, 27.1619



33.6901, 36.7473, 47.7005



18.6165, 19.0023, 26.7318



5.0155, 5.3739, 6.3788



7.2305, 7.7313, 23.1569



0.0622, 0.0797, 0.1586

Inverse Universe

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



20.8723, 19.7381, 23.8298



35.7181, 32.9591, 40.6818



22.3844, 24.0719, 20.2967



5.1544, 5.0972, 5.9017



11.1364, 5.5647, 8.4887



0.0811, 0.0398, 0.0941

Previews

White Background



This preview shows how the XYZ color 19.9062, 21.5821, 27.1614 looks on a white background.

Color Contrast Check

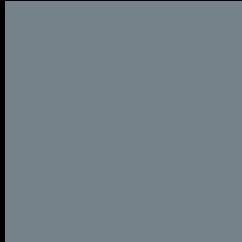
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9062, 21.5821, 27.1614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

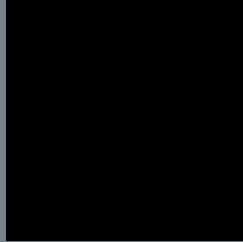
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

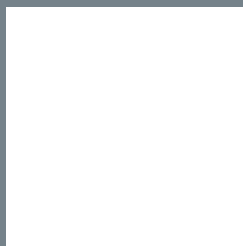
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9062, 21.5821, 27.1614

Background



This preview shows how black text looks on a background with the XYZ color 19.9062, 21.5821, 27.1614.

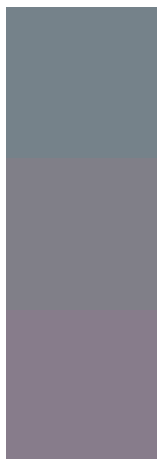


This preview shows how white text looks on a background with the XYZ color 19.9062, 21.5821,

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

19.9062, 21.5821, 27.1614

Protanopia

20.9354, 21.5455, 26.3478

Deuteranopia

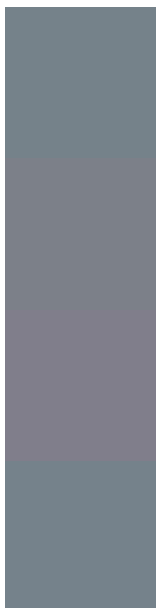
21.8595, 21.4303, 27.4104



Tritanopia

20.0524, 21.6406, 27.9311

Trichromacy



Original Color

19.9062, 21.5821, 27.1614

Protanomaly

20.5467, 21.5296, 26.7396

Deuteranomaly

21.0231, 21.3750, 27.4438

Tritanomaly

19.9790, 21.6113, 27.5445

Monochromacy



Original Color

19.9062, 21.5821, 27.1614

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9843, 21.2880, 24.5284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9062, 21.5821, 27.1614 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(117, 130, 138)` looks like.

```
.text, #text, p{  
    color:rgb(117, 130, 138)  
}
```

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(117, 130, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 130, 138) }
```

Border

The CSS property to change the border of an element to XYZ 19.9062, 21.5821, 27.1614 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(117, 130, 138) }
```


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

```
.border{ border-color:rgb(117, 130, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 130, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 130, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 130, 138);  
box-shadow:4px 4px 4px 4px rgb(117, 130,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9062, 21.5821, 27.1614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 130, 138) }
```

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

```
.background{ background-color: rgb(117,  
130, 138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor