

Converting Colors

XYZ(19.3841, 22.7812, 21.5266)

Have a look what the booklet for
XYZ(19.3841, 22.7812, 21.5266)
contains.

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Color

**XYZ(19.4671, 22.9166,
21.4865)**

Conversions

Conversions Part 1

Format	Color
Hex	738979
RGB	115, 137, 121
RGB Percent	45%, 54%, 47%
CMY	0.5490, 0.4627, 0.5255
CMYK	0.16, 0.00, 0.12, 0.46
HSL	136°, 9%, 49%
HSV	136°, 16%, 54%
XYZ	19.4671, 22.9166, 21.4865
YIQ	128.5980, -7.9760, -9.6400

Conversions

Conversions Part 2

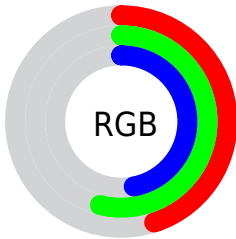
Format	Color
RYB	115, 132, 137
Decimal	7571833
CIELab	54.99, -11.25, 5.95
CIELCh	55, 12.723, 152.112
Yxy	22.9166, 0.3048, 0.3588
Android (android.graphics.Color)	4285761913 (0xFF738979)
YUV	128.5980, -3.7458, -11.9254
Hunter-Lab	47.8713, -11.1868, 6.8982

Details

The XYZ color **19.4671, 22.9166, 21.4865** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.5448, 19.2191, 24.1006**, and the grayscale version is **20.7409, 21.8211, 23.7631**.

A 20% lighter version of the original color is **41.8926, 48.0595, 46.6036**, and **6.9255, 8.4907, 7.5772** is the 20% darker color. If you saturate the color by 10%, you get **17.2179, 21.8248, 18.3547**, and if you desaturate by 10%, it is **22.0484, 24.1737, 24.9643**.

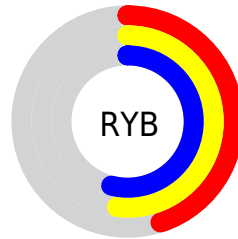
Distribution



Red (45%)

Green (54%)

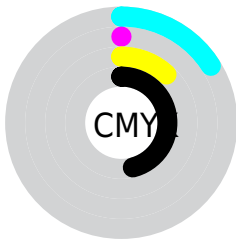
Blue (47%)



Red (45%)

Yellow (52%)

Blue (54%)

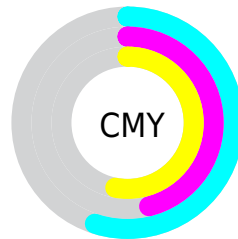


Cyan (16%)

Magenta (0%)

Yellow (12%)

Black (46%)



Cyan (55%)

Magenta (46%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4671, 22.9166, 21.4865 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 19.4671, 22.9166, 21.4865 by changing the saturation by 10% instead.

■ 19.4671, 22.9166,
21.4865

■ 19.4671, 22.9166,
21.4865

241.9043,
267.2963, 272.7183

■ 12.1143, 14.5319,
13.2854

■ 42.0327, 48.2563,
46.7871

■ 6.8943, 8.4916,
7.4923

■ 57.9762, 65.9802,
64.7236

■ 3.4418, 4.4111,
3.6888

■ 77.5140, 87.5860,
86.7423

■ 1.3915, 1.9061,
1.4562

101.0114,
113.4579, 113.2618

■ 0.2502, 0.5520,
0.1850

128.8338,
143.9806, 144.7007

■ 0.0000, 0.0000,
0.0000

161.3465,

179.5383, 181.4773

198.9149,
220.5154, 224.0103

■ 19.4671, 22.9166,
21.4865

■ 19.4671, 22.9166,
21.4865

■ 17.2179, 21.8248,
18.3547

■ 22.0484, 24.1737,
24.9643

■ 15.2854, 20.8884,
15.5569

■ 24.9730, 25.5995,
28.7968

■ 13.6555, 20.1012,
13.0823

■ 28.2534, 27.2012,
32.9942

■ 12.3123, 19.4553,
10.9193

■ 31.9014, 28.9844,
37.5657

■ 11.2386, 18.9419,
9.0554

■ 35.9280, 30.9547,
42.5205

■ 10.4150, 18.5514,
7.4773

■ 40.3438, 33.1173,
47.8671

■ 9.8197, 18.2728,
6.1706

■ 45.1589, 35.4774,
53.6141

■ 9.4189, 18.0891,
5.1193

■ 50.3830, 38.0397,
59.7695

■ 9.2857, 18.0280,
4.7705

■ 56.0257, 40.8090,
66.3412

Harmonies

Analogous

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



20.3688, 22.9166, 18.9243



19.4671, 22.9166, 21.4865



19.1775, 22.9166, 25.2402

Triad

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



19.4671, 22.9166, 21.4865



21.8818, 22.9166, 33.5647



24.1650, 22.9166, 21.0400

Complementary

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



19.4671, 22.9166, 21.4865



20.5448, 19.2191, 24.1006

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.



24.6113, 22.9166, 24.6666



19.4671, 22.9166, 21.4865



23.2581, 22.9166, 32.1410

Square

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



19.4671, 22.9166, 21.4865



20.5352, 22.9166, 32.4817



24.2725, 22.9166, 28.7720



23.0774, 22.9166, 18.6868

Rectangle

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



19.4671, 22.9166, 21.4865



19.3599, 22.9166, 27.9976



24.2725, 22.9166, 28.7720



24.3971, 22.9166, 22.1362

Sweetspot

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



19.4677, 22.9176, 21.4870



39.9531, 43.5178, 45.3282



21.4218, 23.9661, 19.7169



8.8938, 9.7280, 10.0775



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.



19.4677, 22.9176, 21.4870



33.4430, 40.3498, 36.5249



20.1724, 23.1994, 25.1976



5.0243, 5.6292, 5.6488



8.6538, 16.7941, 4.4674



0.0630, 0.1138, 0.0586

Inverse Universe

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



20.5448, 19.2191, 24.1006



35.7222, 32.5225, 42.0546



19.8462, 18.9397, 20.4220



5.1766, 5.1061, 6.0186



11.7415, 5.8067, 11.6747



0.0842, 0.0410, 0.1100

Previews

White Background



This preview shows how the XYZ color 19.4671, 22.9166, 21.4865 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 19.4671, 22.9166, 21.4865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

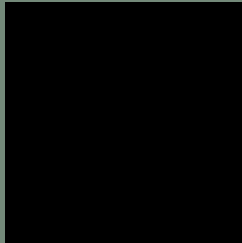
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

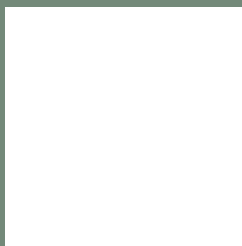
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4671, 22.9166, 21.4865

Background



This preview shows how black text looks on a background with the XYZ color 19.4671, 22.9166, 21.4865.



This preview shows how white text looks on a background with the XYZ color 19.4671, 22.9166,

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

19.4671, 22.9166, 21.4865

Protanopia

21.7028, 22.8590, 20.4079

Deuteranopia

23.1971, 22.8118, 21.9194



Tritanopia

21.1669, 22.9857, 29.7066

Trichromacy



Original Color

19.4671, 22.9166, 21.4865

Protanomaly

20.7706, 22.7741, 20.7539

Deuteranomaly

21.6208, 22.7886, 21.6715

Tritanomaly

20.5791, 22.9571, 26.6391

Monochromacy



Original Color

19.4671, 22.9166, 21.4865

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.3293, 22.2940, 22.9704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4671, 22.9166, 21.4865 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(115, 137, 121)` looks like.

```
.text, #text, p{  
    color:rgb(115, 137, 121)  
}
```

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(115, 137, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 137, 121) }
```

Border

The CSS property to change the border of an element to XYZ 19.4671, 22.9166, 21.4865 is called "border". The border property can be set on classes, ids or directly on the HTML element.

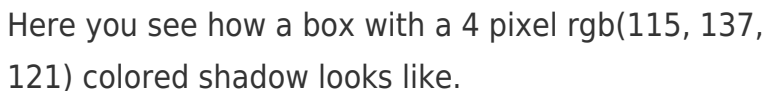
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 137, 121) }
```


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

```
.border{ border-color:rgb(115, 137, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 137, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 137, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 137, 121); box-shadow:4px 4px 4px 4px rgb(115, 137, 121) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4671, 22.9166, 21.4865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 137, 121) }
```

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

```
.background{ background-color: rgb(115,  
137, 121) }
```

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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