

Converting Colors

XYZ(19.5741, 23.1168, 21.7238)

Have a look what the booklet for
XYZ(19.5741, 23.1168, 21.7238)
contains.

XYZ(19.6716, 23.2269, 21.8588)	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(19.6716, 23.2269,
21.8588)**

Conversions

Conversions Part 1

Format	Color
Hex	738A7A
RGB	115, 138, 122
RGB Percent	45%, 54%, 48%
CMY	0.5490, 0.4588, 0.5216
CMYK	0.17, 0.00, 0.12, 0.46
HSL	138°, 9%, 50%
HSV	138°, 17%, 54%
XYZ	19.6716, 23.2269, 21.8588
YIQ	129.2990, -8.5720, -9.8520

Conversions

Conversions Part 2

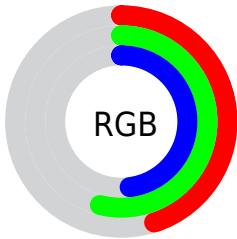
Format	Color
R_{YB}	115, 133, 138
Decimal	7572090
CIE Lab	55.31, -11.59, 5.83
CIE LCh	55, 12.977, 153.291
Yxy	23.2269, 0.3038, 0.3587
Android (android.graphics.Color)	4285762170 (0xFF738A7A)
YUV	129.2990, -3.5984, -12.5402
Hunter-Lab	48.1943, -11.4812, 6.8447

Details

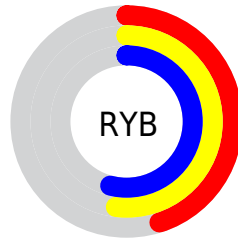
The XYZ color **19.6716, 23.2269, 21.8588** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.7096, 19.3041, 24.1084**, and the grayscale version is **20.9860, 22.0789, 24.0439**.

A 20% lighter version of the original color is **42.2071, 48.5331, 47.1877**, and **7.0071, 8.6538, 7.6044** is the 20% darker color. If you saturate the color by 10%, you get **17.4253, 22.1349, 18.8005**, and if you desaturate by 10%, it is **22.2497, 24.4845, 25.2405**.

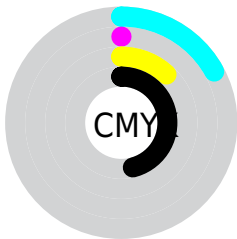
Distribution



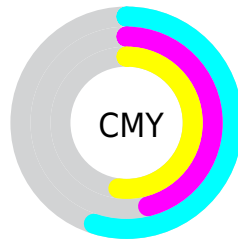
- Red (45%)
- Green (54%)
- Blue (48%)



- Red (45%)
- Yellow (52%)
- Blue (54%)



- Cyan (17%)
- Magenta (0%)
- Yellow (12%)
- Black (46%)



- Cyan (55%)
- Magenta (46%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6716, 23.2269, 21.8588 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 19.6716, 23.2269, 21.8588 by changing the saturation by 10% instead.

■ 19.6716, 23.2269,
21.8588

■ 19.6716, 23.2269,
21.8588

242.9993,
268.8883, 274.7374

■ 12.2634, 14.7611,
13.5559

■ 42.3741, 48.7656,
47.4117

■ 6.9968, 8.6519,
7.6772

■ 58.3991, 66.6074,
65.4988

■ 3.5064, 4.5148,
3.8043

■ 78.0271, 88.3433,
87.6843

■ 1.4269, 1.9655,
1.5186

101.6234,
114.3577, 114.3867

■ 0.2753, 0.5873,
0.2317

129.5534,
145.0350, 146.0248

■ 0.0000, 0.0000,
0.0000

162.1825,

180.7596, 183.0169

199.8760,
221.9159, 225.7816

■ 19.6716, 23.2269,
21.8588

■ 19.6716, 23.2269,
21.8588

■ 17.4253, 22.1349,
18.8005

■ 22.2497, 24.4845,
25.2405

■ 15.4951, 21.1986,
16.0544

■ 25.1706, 25.9111,
28.9531

■ 13.8669, 20.4117,
13.6112

■ 28.4471, 27.5139,
33.0058

■ 12.5249, 19.7660,
11.4604

■ 32.0909, 29.2986,
37.4071

■ 11.4516, 19.2530,
9.5908

■ 36.1129, 31.2709,
42.1650

■ 10.6275, 18.8628,
7.9907

■ 40.5238, 33.4360,
47.2874

■ 10.0306, 18.5841,
6.6473

■ 45.3338, 35.7990,
52.7819

■ 9.6239, 18.3984,
5.5464

■ 50.5526, 38.3648,
58.6559

■ 9.5067, 18.3449,
5.2300

■ 56.1898, 41.1382,
64.9164

Harmonies

Analogous

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



20.5769, 23.2269, 19.1693



19.6716, 23.2269, 21.8588



19.4008, 23.2269, 25.7527

Triad

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



19.6716, 23.2269, 21.8588



22.2374, 23.2269, 34.1573



24.4973, 23.2269, 21.1442

Complementary

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



19.6716, 23.2269, 21.8588



20.7096, 19.3041, 24.1084

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.



24.9874, 23.2269, 24.8332



19.6716, 23.2269, 21.8588



23.6472, 23.2269, 32.5922

Square

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



19.6716, 23.2269, 21.8588



20.8434, 23.2269, 33.1397



24.6698, 23.2269, 29.0630



23.3573, 23.2269, 18.7897

Rectangle

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



19.6716, 23.2269, 21.8588



19.6064, 23.2269, 28.5906



24.6698, 23.2269, 29.0630



24.7458, 23.2269, 22.2540

Sweetspot

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



19.6722, 23.2279, 21.8593



39.9803, 43.5286, 45.4711



21.5594, 24.2491, 19.7644



8.9006, 9.7307, 10.1131



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.



19.6722, 23.2279, 21.8593



33.1179, 40.1838, 36.4361



20.4208, 23.5273, 25.8013



5.0304, 5.6317, 5.6814



8.7219, 16.8213, 4.8262



0.0639, 0.1141, 0.0632

Inverse Universe

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



20.7096, 19.3041, 24.1084



35.3015, 31.9228, 41.1694



19.9787, 19.0117, 20.2595



5.1701, 5.1035, 5.9843



11.5525, 5.7311, 10.6795



0.0833, 0.0407, 0.1053

Previews

White Background



This preview shows how the XYZ color 19.6716, 23.2269, 21.8588 looks on a white background.

Color Contrast Check

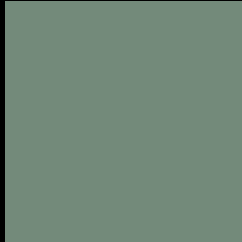
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6716, 23.2269, 21.8588 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

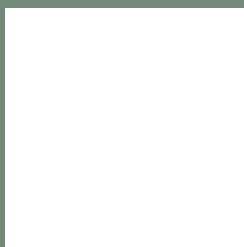
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6716, 23.2269, 21.8588

Background



This preview shows how black text looks on a background with the XYZ color 19.6716, 23.2269, 21.8588.



This preview shows how white text looks on a background with the XYZ color 19.6716, 23.2269,

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

19.6716, 23.2269, 21.8588

Protanopia

22.0623, 23.2377, 20.7753

Deuteranopia

23.5700, 23.1895, 22.3025



Tritanopia

21.3826, 23.2942, 30.1573

Trichromacy



Original Color

19.6716, 23.2269, 21.8588

Protanomaly

21.1212, 23.1521, 21.1249

Deuteranomaly

21.9798, 23.1668, 22.0521

Tritanomaly

20.7907, 23.2660, 27.0619

Monochromacy



Original Color

19.6716, 23.2269, 21.8588

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 19.6716, 23.2269, 21.8588 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, 138, 122)` looks like.

```
.text, #text, p{  
    color:rgb(115, 138, 122)  
}
```

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, 138, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 138, 122) }
```

Border

The CSS property to change the border of an element to XYZ 19.6716, 23.2269, 21.8588 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, 138, 122) }
```


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

```
.border{ border-color:rgb(115, 138, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 138, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 138, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 138, 122);  
box-shadow:4px 4px 4px 4px rgb(115, 138,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6716, 23.2269, 21.8588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 138, 122) }
```

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

```
.background{ background-color: rgb(115,  
138, 122) }
```

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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