

Converting Colors

XYZ(21.8570, 26.8681, 9.1636)

Have a look what the booklet for
XYZ(21.8570, 26.8681, 9.1636)
contains.

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Color

**XYZ(21.8898, 26.8915,
9.1911)**

Conversions

Conversions Part 1

Format	Color
Hex	899442
RGB	137, 148, 66
RGB Percent	54%, 58%, 26%
CMY	0.4627, 0.4196, 0.7412
CMYK	0.07, 0.00, 0.55, 0.42
HSL	68°, 38%, 42%
HSV	68°, 55%, 58%
XYZ	21.8898, 26.8915, 9.1911
YIQ	135.3630, 19.7660, -27.8340

Conversions

Conversions Part 2

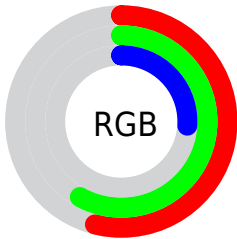
Format	Color
RYB	66, 148, 77
Decimal	9016386
CIELab	58.87, -16.25, 41.36
CIELCh	59, 44.437, 111.450
Yxy	26.8915, 0.3776, 0.4639
Android (android.graphics.Color)	4287206466 (0xFF899442)
YUV	135.3630, -34.1960, 1.4356
Hunter-Lab	51.8570, -15.4016, 25.7914

Details

The XYZ color **21.8898, 26.8915, 9.1911** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.3550, 7.6130, 28.9422**, and the grayscale version is **23.2827, 24.4952, 26.6753**.

A 20% lighter version of the original color is **46.0696, 54.7319, 24.9658**, and **8.1072, 10.5152, 2.0543** is the 20% darker color. If you saturate the color by 10%, you get **21.1864, 26.5738, 7.1680**, and if you desaturate by 10%, it is **22.7134, 27.2599, 11.8104**.

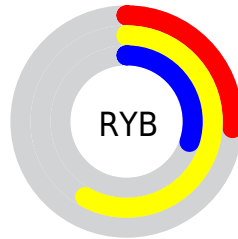
Distribution



Red (54%)

Green (58%)

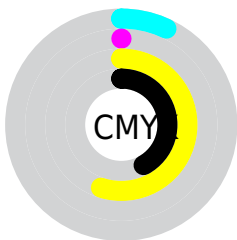
Blue (26%)



Red (26%)

Yellow (58%)

Blue (30%)

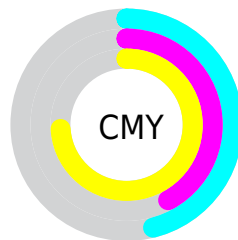


Cyan (7%)

Magenta (0%)

Yellow (55%)

Black (42%)



Cyan (46%)

Magenta (42%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8898, 26.8915, 9.1911 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 21.8898, 26.8915, 9.1911 by changing the saturation by 10% instead.

■ 21.8898, 26.8915,
9.1911

■ 21.8898, 26.8915,
9.1911

254.6134,
287.1314, 195.0674

■ 13.8921, 17.4918,
4.7675

■ 46.0440, 54.7097,
24.8461

■ 8.1269, 10.5857,
2.0552

■ 62.9312, 73.8970,
36.9146

■ 4.2287, 5.7890,
0.5889

■ 83.5123, 97.1155,
52.3684

■ 1.8323, 2.7172,
0.0000

■ 108.1526,
124.7497, 71.6262

■ 0.5370, 0.9859,
0.0000

■ 137.2176,
157.1840, 95.1065

■ 0.0000, 0.0000,
0.0000

171.0724,

194.8028, 123.2277

210.0826,
237.9905, 156.4085

■ 21.8898, 26.8915,
9.1911

■ 21.8898, 26.8915,
9.1911

■ 21.1864, 26.5738,
7.1680

■ 22.7134, 27.2599,
11.8104

■ 20.5923, 26.2996,
5.6924

■ 23.6633, 27.6785,
15.0660

■ 20.0980, 26.0660,
4.7110

■ 24.7474, 28.1515,
18.9967

■ 19.6895, 25.8674,
4.1504

■ 25.9724, 28.6815,
23.6375

■ 19.5141, 25.7813,
3.9478

■ 27.3445, 29.2712,
29.0212

■ 28.8696, 29.9227,
35.1784

■ 30.5533, 30.6383,
42.1380

■ 32.4006, 31.4202,
49.9274

■ 34.4167, 32.2702,
58.5729

Harmonies

Analogous

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



27.1616, 26.8915, 8.4027



21.8898, 26.8915, 9.1911



18.1598, 26.8915, 14.1899

Triad

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



21.8898, 26.8915, 9.1911



19.5283, 26.8915, 59.8648



37.4862, 26.8915, 34.0097

Complementary

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



21.8898, 26.8915, 9.1911



10.3550, 7.6130, 28.9422

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.



34.7376, 26.8915, 52.4553



21.8898, 26.8915, 9.1911



24.0218, 26.8915, 70.5144

Square

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



21.8898, 26.8915, 9.1911



16.9385, 26.8915, 41.7879



29.6181, 26.8915, 67.4024



36.6993, 26.8915, 19.5564

Rectangle

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



21.8898, 26.8915, 9.1911



16.7999, 26.8915, 20.6759



29.6181, 26.8915, 67.4024



36.9324, 26.8915, 39.9915

Sweetspot

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



21.8904, 26.8927, 9.1917



45.3865, 50.4154, 40.0206



15.8462, 11.9884, 6.6334



10.2703, 11.4697, 8.7904



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.8904, 26.8927, 9.1917



37.1653, 46.7872, 12.0768



16.4051, 24.0649, 8.9350



6.1897, 6.7056, 6.2085



16.6837, 22.0286, 3.3726



0.2213, 0.2784, 0.0421

Inverse Universe

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



10.3550, 7.6130, 28.9422



14.7997, 9.3483, 50.4589



14.7565, 9.8820, 29.1482



5.5676, 5.6681, 7.2703



4.8242, 1.9596, 24.0550



0.0730, 0.0312, 0.2951

Previews

White Background



This preview shows how the XYZ color 21.8898, 26.8915, 9.1911 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 21.8898, 26.8915, 9.1911 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 21.8898, 26.8915, 9.1911

Background



This preview shows how black text looks on a background with the XYZ color 21.8898, 26.8915, 9.1911.



This preview shows how white text looks on a background with the XYZ color 21.8898, 26.8915,

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

21.8898, 26.8915, 9.1911

Protanopia

24.5030, 26.8843, 8.7482

Deuteranopia

27.2250, 26.7688, 9.5263



Tritanopia

26.5917, 26.7782, 32.6213

Trichromacy



Original Color

21.8898, 26.8915, 9.1911

Protanomaly

23.5051, 26.8122, 8.9374

Deuteranomaly

25.1502, 26.7629, 9.4704

Tritanomaly

24.3305, 26.5176, 21.2888

Monochromacy



Original Color

21.8898, 26.8915, 9.1911

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.3459, 25.1162, 18.4220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8898, 26.8915, 9.1911 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(137, 148, 66)` looks like.

```
.text, #text, p{  
    color:rgb(137, 148, 66)  
}
```

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(137, 148, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 148, 66) }
```

Border

The CSS property to change the border of an element to XYZ 21.8898, 26.8915, 9.1911 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(137, 148, 66) }
```


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

```
.border{ border-color:rgb(137, 148, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 148, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 148, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 148, 66);  
box-shadow:4px 4px 4px 4px rgb(137, 148,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8898, 26.8915, 9.1911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 148, 66) }
```

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

```
.background{ background-color: rgb(137,  
148, 66) }
```

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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