

Converting Colors

XYZ(21.8080, 26.0325, 11.5389)

Have a look what the booklet for
XYZ(21.8080, 26.0325, 11.5389)
contains.

XYZ(21.8899, 26.1484, 11.4828)	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(21.8899, 26.1484,
11.4828)**

Conversions

Conversions Part 1

Format	Color
Hex	899150
RGB	137, 145, 80
RGB Percent	54%, 57%, 31%
CMY	0.4627, 0.4314, 0.6863
CMYK	0.06, 0.00, 0.45, 0.43
HSL	67°, 29%, 44%
HSV	67°, 45%, 57%
XYZ	21.8899, 26.1484, 11.4828
YIQ	135.1980, 16.0970, -21.9110

Conversions

Conversions Part 2

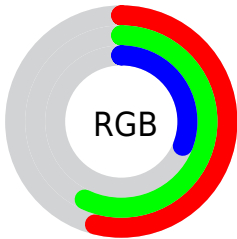
Format	Color
RYB	80, 145, 88
Decimal	9015632
CIELab	58.18, -13.25, 33.40
CIELCh	58, 35.933, 111.637
Yxy	26.1484, 0.3678, 0.4393
Android (android.graphics.Color)	4287205712 (0xFF899150)
YUV	135.1980, -27.2126, 1.5804
Hunter-Lab	51.1355, -13.0755, 22.4809

Details

The XYZ color $[21.8899, 26.1484, 11.4828]$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $[12.0050, 9.8570, 28.0595]$, and the grayscale version is $[23.1970, 24.4050, 26.5771]$.

A 20% lighter version of the original color is $[46.0060, 53.5619, 29.3864]$, and $[8.2045, 10.2727, 2.9892]$ is the 20% darker color. If you saturate the color by 10%, you get $[21.1209, 25.8082, 8.9458]$, and if you desaturate by 10%, it is $[22.7807, 26.5397, 14.6302]$.

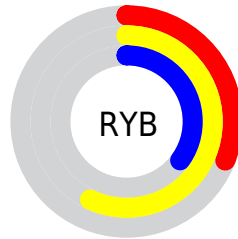
Distribution



Red (54%)

Green (57%)

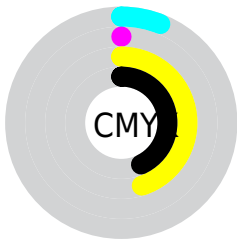
Blue (31%)



Red (31%)

Yellow (57%)

Blue (35%)

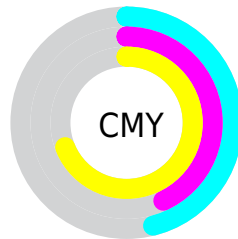


Cyan (6%)

Magenta (0%)

Yellow (45%)

Black (43%)



Cyan (46%)

Magenta (43%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8899, 26.1484, 11.4828 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 21.8899, 26.1484, 11.4828 by changing the saturation by 10% instead.

■ 21.8899, 26.1484,
11.4828

■ 21.8899, 26.1484,
11.4828

254.6140,
283.5098, 211.8055

■ 13.8922, 16.9347,
6.2743

■ 46.0442, 53.5143,
29.1997

■ 8.1269, 10.1879,
2.9411

■ 62.9314, 72.4352,
42.5453

■ 4.2287, 5.5237,
1.0646

■ 83.5126, 95.3607,
59.4402

■ 1.8323, 2.5577,
0.0000

■ 108.1529,
122.6751, 80.3032

■ 0.5370, 0.9055,
0.0000

■ 137.2179,
154.7628, 105.5526

■ 0.0000, 0.0000,
0.0000

171.0728,

192.0082, 135.6071

210.0831,
234.7958, 170.8852

■ 21.8899, 26.1484,
11.4828

■ 21.8899, 26.1484,
11.4828

■ 21.1209, 25.8082,
8.9458

■ 22.7807, 26.5397,
14.6302

■ 20.4643, 25.5126,
6.9779

■ 23.7981, 26.9814,
18.4223

■ 19.9122, 25.2593,
5.5355

■ 24.9493, 27.4771,
22.8930

■ 19.4549, 25.0445,
4.5678

■ 26.2401, 28.0292,
28.0731

■ 19.0801, 24.8633,
4.0088

■ 27.6760, 28.6399,
33.9919

■ 18.9006, 24.7755,
3.7860

■ 29.2623, 29.3114,
40.6765

■ 31.0039, 30.0455,
48.1532

■ 32.9056, 30.8443,
56.4467

■ 34.9719, 31.7095,
65.5806

Harmonies

Analogous

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



26.0921, 26.1484, 10.7168



21.8899, 26.1484, 11.4828



18.8450, 26.1484, 16.0232

Triad

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



21.8899, 26.1484, 11.4828



20.0070, 26.1484, 51.7373



34.0995, 26.1484, 32.1062

Complementary

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



21.8899, 26.1484, 11.4828



12.0050, 9.8570, 28.0595

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.



32.0194, 26.1484, 46.1135



21.8899, 26.1484, 11.4828



23.6543, 26.1484, 59.4252

Square

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



21.8899, 26.1484, 11.4828



17.8497, 26.1484, 38.2680



28.0727, 26.1484, 57.1111



33.4842, 26.1484, 20.5077

Rectangle

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



21.8899, 26.1484, 11.4828



17.7187, 26.1484, 21.5603



28.0727, 26.1484, 57.1111



33.6843, 26.1484, 36.7205

Sweetspot

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



21.8905, 26.1496, 11.4833



45.0211, 49.3517, 42.3550



16.5816, 13.5109, 9.3236



9.9173, 10.9367, 9.0340



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.8905, 26.1496, 11.4833



37.7844, 46.1991, 15.9003



17.3902, 23.8296, 11.2727



5.7751, 6.2522, 5.7918



16.2253, 21.2571, 3.2479



0.1670, 0.2094, 0.0316

Inverse Universe

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



12.0050, 9.8570, 28.0595



17.7288, 13.1178, 49.5711



15.7376, 11.7813, 28.2342



5.1875, 5.2848, 6.7754



4.6086, 1.8694, 23.0950



0.0537, 0.0228, 0.2213

Previews

White Background



This preview shows how the XYZ color 21.8899, 26.1484, 11.4828 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 21.8899, 26.1484, 11.4828 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 21.8899, 26.1484, 11.4828

Background



This preview shows how black text looks on a background with the XYZ color 21.8899, 26.1484, 11.4828.



This preview shows how white text looks on a background with the XYZ color 21.8899, 26.1484,

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

21.8899, 26.1484, 11.4828

Protanopia

24.0797, 26.1763, 10.9911

Deuteranopia

26.5264, 25.9456, 11.7935



Tritanopia

25.9680, 26.0492, 31.6763

Trichromacy



Original Color

21.8899, 26.1484, 11.4828

Protanomaly

23.2970, 26.2064, 11.2276

Deuteranomaly

24.5692, 25.7696, 11.6617

Tritanomaly

24.1086, 25.9370, 22.4746

Monochromacy



Original Color

21.8899, 26.1484, 11.4828

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.4805, 24.9373, 19.8482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8899, 26.1484, 11.4828 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, 145, 80)` looks like.

```
.text, #text, p{  
    color:rgb(137, 145, 80)  
}
```

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, 145, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 145, 80) }
```

Border

The CSS property to change the border of an element to XYZ 21.8899, 26.1484, 11.4828 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, 145, 80) }
```


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

```
.border{ border-color:rgb(137, 145, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 145, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 145, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 145, 80);  
box-shadow:4px 4px 4px 4px rgb(137, 145,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8899, 26.1484, 11.4828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 145, 80) }
```

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

```
.background{ background-color: rgb(137,  
145, 80) }
```

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