

Converting Colors

XYZ(12.9542, 17.6099, 9.2659)

Have a look what the booklet for
XYZ(12.9542, 17.6099, 9.2659)
contains.

XYZ(12.9133, 17.5898, 9.1931)	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(12.9133, 17.5898,
9.1931)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7E4A
RGB	90, 126, 74
RGB Percent	35%, 49%, 29%
CMY	0.6471, 0.5059, 0.7098
CMYK	0.29, 0.00, 0.41, 0.51
HSL	102°, 26%, 39%
HSV	102°, 41%, 49%
XYZ	12.9133, 17.5898, 9.1931
YIQ	109.3080, -4.7640, -23.8040

Conversions

Conversions Part 2

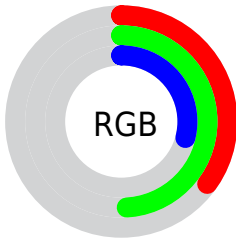
Format	Color
RYB	74, 126, 110
Decimal	5930570
CIELab	48.99, -23.11, 24.32
CIELCh	49, 33.548, 133.537
Yxy	17.5898, 0.3253, 0.4431
Android (android.graphics.Color)	4284120650 (0xFF5A7E4A)
YUV	109.3080, -17.4068, -16.9331
Hunter-Lab	41.9402, -18.4356, 16.3620

Details

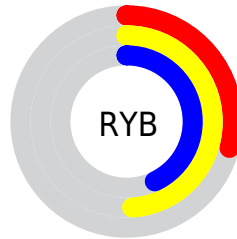
The XYZ color **12.9133, 17.5898, 9.1931** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.6459, 9.7195, 20.9492**, and the grayscale version is **14.6726, 15.4368, 16.8106**.

A 20% lighter version of the original color is **30.6798, 39.3330, 24.7139**, and **3.8183, 5.8838, 2.0331** is the 20% darker color. If you saturate the color by 10%, you get **11.7314, 17.0253, 7.1396**, and if you desaturate by 10%, it is **14.2807, 18.2412, 11.6999**.

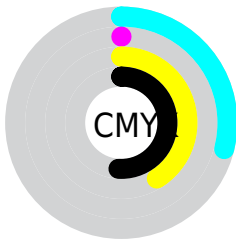
Distribution



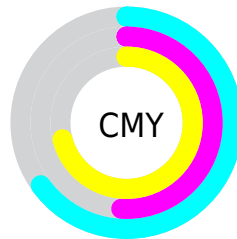
- Red (35%)
- Green (49%)
- Blue (29%)



- Red (29%)
- Yellow (49%)
- Blue (43%)



- Cyan (29%)
- Magenta (0%)
- Yellow (41%)
- Black (51%)



- Cyan (65%)
- Magenta (51%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9133, 17.5898, 9.1931 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 12.9133, 17.5898, 9.1931 by changing the saturation by 10% instead.

■ 12.9133, 17.5898,
9.1931

■ 12.9133, 17.5898,
9.1931

204.0101,
238.5487, 195.0827

■ 7.4455, 10.6559,
4.7688

■ 30.7506, 39.3371,
24.8500

■ 3.7910, 5.8360,
2.0559

■ 43.8507, 54.9193,
36.9196

■ 1.5846, 2.7456,
0.5893

■ 60.2257, 74.1530,
52.3748

■ 0.3823, 1.0004,
0.0000

■ 80.2408, 97.4227,
71.6341

■ 0.0000, 0.0000,
0.0000

■ 104.2615,
125.1127, 95.1160

132.6530,

157.6074, 123.2390

165.7808,
195.2913, 156.4218

■ 12.9133, 17.5898,
9.1931

■ 12.9133, 17.5898,
9.1931

■ 11.7314, 17.0253,
7.1396

■ 14.2807, 18.2412,
11.6999

■ 10.7253, 16.5416,
5.5113

■ 15.8404, 18.9808,
14.6838

■ 9.8860, 16.1353,
4.2785


■ 17.6001, 19.8127,
18.1682

■ 9.2033, 15.8020,
3.4075

■ 19.5670, 20.7400,
22.1744


■ 8.6656, 15.5364,
2.8587


■ 21.7476, 21.7658,
26.7230

 8.2891, 15.3492,
2.5258

 24.1485, 22.8928,
31.8329

 26.7757, 24.1240,
37.5225

 29.6351, 25.4619,
43.8091

 32.7323, 26.9090,
50.7096

Harmonies

Analogous

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



15.3518, 17.5898, 6.8242



12.9133, 17.5898, 9.1931



11.5948, 17.5898, 14.6794

Triad

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



12.9133, 17.5898, 9.1931



15.0735, 17.5898, 40.8375



23.2641, 17.5898, 15.4016

Complementary

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



12.9133, 17.5898, 9.1931



12.6459, 9.7195, 20.9492

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.



23.1653, 17.5898, 24.4524



12.9133, 17.5898, 9.1931



18.1642, 17.5898, 41.2153

Square

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



12.9133, 17.5898, 9.1931



12.7316, 17.5898, 33.6121



21.2064, 17.5898, 34.5240



21.4615, 17.5898, 9.5792

Rectangle

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



12.9133, 17.5898, 9.1931



11.4118, 17.5898, 20.2331



21.2064, 17.5898, 34.5240



23.4583, 17.5898, 18.1107

Sweetspot

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



12.9137, 17.5906, 9.1935



30.6492, 34.7174, 31.3177



15.3667, 15.9822, 8.7538



6.8986, 7.8625, 6.9775



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.9137, 17.5906, 9.1935



20.6685, 29.9761, 12.5997



11.8675, 17.0112, 10.9503



4.3909, 4.8779, 4.6302



8.4994, 15.7440, 2.5909



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.6459, 9.7195, 20.9492



20.1131, 14.0374, 36.3938



14.2333, 10.6055, 17.9634



4.3734, 4.3481, 5.4220



7.9140, 3.6335, 20.5342



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9133, 17.5898, 9.1931 looks on a white 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

Black Background



This preview shows how the XYZ color 12.9133, 17.5898, 9.1931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

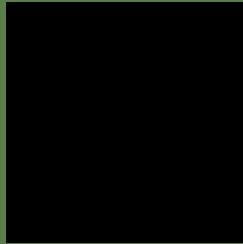
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.9133, 17.5898, 9.1931

Background



This preview shows how black text looks on a background with the XYZ color 12.9133, 17.5898, 9.1931.



This preview shows how white text looks on a background with the XYZ color 12.9133, 17.5898,

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

12.9133, 17.5898, 9.1931

Protanopia

16.1033, 17.4450, 8.3128

Deuteranopia

17.6715, 17.3937, 9.4471



Tritanopia

15.8245, 17.6706, 23.3456

Trichromacy



Original Color

12.9133, 17.5898, 9.1931

Protanomaly

14.7932, 17.4653, 8.5527

Deuteranomaly

15.4351, 17.0775, 9.3203

Tritanomaly

14.5437, 17.5100, 17.0812

Monochromacy



Original Color

12.9133, 17.5898, 9.1931

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.7215, 15.9308, 13.4181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9133, 17.5898, 9.1931 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(90, 126, 74)` looks like.

```
.text, #text, p{  
    color:rgb(90, 126, 74)  
}
```

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(90, 126, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 126, 74) }
```

Border

The CSS property to change the border of an element to XYZ 12.9133, 17.5898, 9.1931 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(90, 126, 74) }
```


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

```
.border{ border-color:rgb(90, 126, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 126, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 126, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 126, 74);  
box-shadow:4px 4px 4px 4px rgb(90, 126,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9133, 17.5898, 9.1931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 126, 74) }
```

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

```
.background{ background-color: rgb(90, 126,  
74) }
```

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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