

Converting Colors

XYZ(18.8899, 21.5878, 12.1881)

Have a look what the booklet for
XYZ(18.8899, 21.5878, 12.1881)
contains.

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Color

**XYZ(18.8899, 21.5878,
12.1881)**

Conversions

Conversions Part 1

Format	Color
Hex	818357
RGB	129, 131, 87
RGB Percent	51%, 51%, 34%
CMY	0.4941, 0.4863, 0.6588
CMYK	0.02, 0.00, 0.34, 0.49
HSL	63°, 20%, 43%
HSV	63°, 34%, 51%
XYZ	18.8899, 21.5878, 12.1881
YIQ	125.3860, 12.9320, -14.1080

Conversions

Conversions Part 2

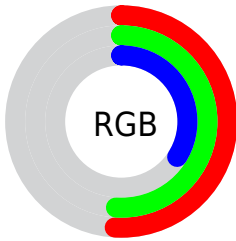
Format	Color
R_{YB}	87, 131, 89
Decimal	8487767
CIE _{Lab}	53.59, -8.16, 23.59
CIE _{LCh}	54, 24.960, 109.072
Yxy	21.5878, 0.3587, 0.4099
Android (android.graphics.Color)	4286677847 (0xFF818357)
YUV	125.3860, -18.9243, 3.1695
Hunter-Lab	46.4627, -8.7386, 16.9709

Details

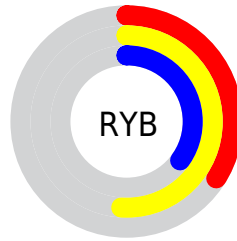
The XYZ color **18.8899, 21.5878, 12.1881** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.6255, 10.5795, 22.9032**, and the grayscale version is **19.6825, 20.7075, 22.5504**.

A 20% lighter version of the original color is **40.9473, 46.0322, 30.3939**, and **6.6420, 7.8569, 3.2643** is the 20% darker color. If you saturate the color by 10%, you get **18.3125, 21.3472, 9.6164**, and if you desaturate by 10%, it is **19.5661, 21.8695, 15.2724**.

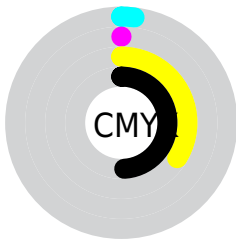
Distribution



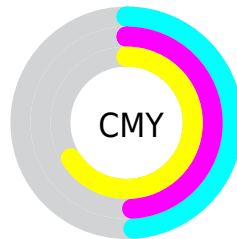
- Red (51%)
- Green (51%)
- Blue (34%)



- Red (34%)
- Yellow (51%)
- Blue (35%)



- Cyan (2%)
- Magenta (0%)
- Yellow (34%)
- Black (49%)



- Cyan (49%)
- Magenta (49%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8899, 21.5878, 12.1881 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 18.8899, 21.5878, 12.1881 by changing the saturation by 10% instead.

■ 18.8899, 21.5878,
12.1881

■ 18.8899, 21.5878,
12.1881

238.7901,
260.3860, 216.6685

■ 11.6943, 13.5543,
6.7478

■ 41.0663, 46.0638,
30.5067

■ 6.6066, 7.8114,
3.2288

■ 56.7778, 63.2751,
44.2222

■ 3.2614, 3.9745,
1.2126

■ 76.0586, 84.3144,
61.5331

■ 1.2935, 1.6593,
0.0000

■ 99.2741, 109.5662,
82.8580

■ 0.1783, 0.3971,
0.0000

■ 126.7896,
139.4149, 108.6155

■ 0.0000, 0.0000,
0.0000

158.9706,

174.2449, 139.2240

196.1823,
214.4404, 175.1022

■ 18.8899, 21.5878,
12.1881

■ 18.8899, 21.5878,
12.1881

■ 18.3125, 21.3472,
9.6164

■ 19.5661, 21.8695,
15.2724

■ 17.8269, 21.1426,
7.5281

■ 20.3443, 22.1914,
18.8936

■ 17.4281, 20.9727,
5.8936

■ 21.2296, 22.5561,
23.0760

■ 17.1095, 20.8350,
4.6790

■ 22.2263, 22.9655,
27.8420

■ 16.8638, 20.7266,
3.8458

■ 23.3384, 23.4210,
33.2129

■ 16.6821, 20.6438,
3.3466

■ 24.5697, 23.9243,
39.2088

■ 16.5802, 20.5965,
3.1017

■ 25.9238, 24.4769,
45.8490

■ 27.4044, 25.0800,
53.1519

■ 29.0146, 25.7351,
61.1352

Harmonies

Analogous

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



21.5050, 21.5878, 11.8434



18.8899, 21.5878, 12.1881



16.8867, 21.5878, 15.1453

Triad

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



18.8899, 21.5878, 12.1881



17.3425, 21.5878, 36.4225



25.9701, 21.5878, 26.3976

Complementary

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



18.8899, 21.5878, 12.1881



11.6255, 10.5795, 22.9032

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.



24.6371, 21.5878, 34.4852



18.8899, 21.5878, 12.1881



19.5627, 21.5878, 41.0519

Square

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



18.8899, 21.5878, 12.1881



16.0482, 21.5878, 28.6322



22.2382, 21.5878, 40.2749



25.7504, 21.5878, 19.0304

Rectangle

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



18.8899, 21.5878, 12.1881



16.0964, 21.5878, 18.6451



22.2382, 21.5878, 40.2749



25.6845, 21.5878, 29.1445

Sweetspot

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



18.8904, 21.5888, 12.1886



36.9410, 39.9486, 36.2332



14.6092, 12.5703, 10.6735



8.5574, 9.2830, 8.2323



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.8904, 21.5888, 12.1886



33.0514, 38.3349, 18.3608



15.9651, 20.0807, 12.0517



5.0194, 5.4125, 5.0095



16.3205, 20.2735, 3.0530



0.0581, 0.0711, 0.0107

Inverse Universe

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



11.6255, 10.5795, 22.9032



18.0369, 15.5788, 40.5095



13.9942, 11.8006, 23.0140



4.4526, 4.5539, 5.8451



4.1067, 1.6512, 21.2390



0.0154, 0.0063, 0.0736

Previews

White Background



This preview shows how the XYZ color 18.8899, 21.5878, 12.1881 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 18.8899, 21.5878, 12.1881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

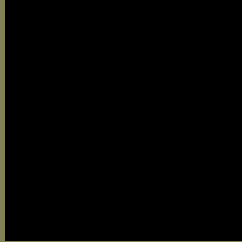
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

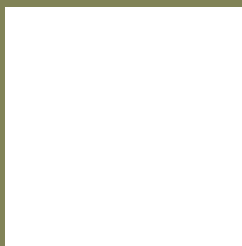
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8899, 21.5878, 12.1881

Background



This preview shows how black text looks on a background with the XYZ color 18.8899, 21.5878, 12.1881.



This preview shows how white text looks on a background with the XYZ color 18.8899, 21.5878,

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

18.8899, 21.5878, 12.1881

Protanopia

20.0463, 21.5992, 11.9166

Deuteranopia

21.8996, 21.4126, 12.4300



Tritanopia

21.6985, 21.5674, 25.9410

Trichromacy



Original Color

18.8899, 21.5878, 12.1881

Protanomaly

19.5216, 21.5233, 11.9296

Deuteranomaly

20.5967, 21.3011, 12.2585

Tritanomaly

20.5323, 21.4733, 20.2021

Monochromacy



Original Color

18.8899, 21.5878, 12.1881

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.0628, 20.7621, 18.0417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8899, 21.5878, 12.1881 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(129, 131, 87)` looks like.

```
.text, #text, p{  
    color:rgb(129, 131, 87)  
}
```

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(129, 131, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 131, 87) }
```

Border

The CSS property to change the border of an element to XYZ 18.8899, 21.5878, 12.1881 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(129, 131, 87) }
```


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

```
.border{ border-color:rgb(129, 131, 87) }
```

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

Here you see how a box with a 4 pixel rgb(129, 131, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 131, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 131, 87);  
box-shadow:4px 4px 4px 4px rgb(129, 131,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8899, 21.5878, 12.1881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 131, 87) }
```

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

```
.background{ background-color: rgb(129,  
131, 87) }
```

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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