

Converting Colors

XYZ(18.2635, 21.7242, 5.9984)

Have a look what the booklet for
XYZ(18.2635, 21.7242, 5.9984)
contains.

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Color

**XYZ(18.2811, 21.8138,
6.0433)**

Conversions

Conversions Part 1

Format	Color
Hex	838530
RGB	131, 133, 48
RGB Percent	51%, 52%, 19%
CMY	0.4863, 0.4784, 0.8118
CMYK	0.02, 0.00, 0.64, 0.48
HSL	61°, 47%, 35%
HSV	61°, 64%, 52%
XYZ	18.2811, 21.8138, 6.0433
YIQ	122.7120, 26.0930, -26.8590

Conversions

Conversions Part 2

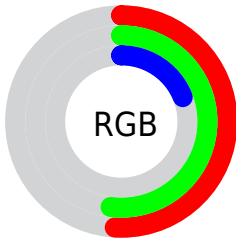
Format	Color
R_{YB}	48, 133, 50
Decimal	8619312
CIE Lab	53.83, -12.37, 44.10
CIE LCh	54, 45.806, 105.664
Yxy	21.8138, 0.3962, 0.4728
Android (android.graphics.Color)	4286809392 (0xFF838530)
YUV	122.7120, -36.8330, 7.2686
Hunter-Lab	46.7052, -11.8667, 25.0220

Details

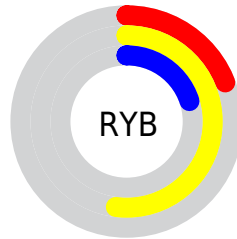
The XYZ color **18.2811, 21.8138, 6.0433** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.6067, 4.4860, 22.7094**, and the grayscale version is **18.8438, 19.8251, 21.5896**.

A 20% lighter version of the original color is **40.0132, 46.4388, 18.4099**, and **6.3948, 8.0029, 1.2077** is the 20% darker color. If you saturate the color by 10%, you get **17.9985, 21.6960, 4.8062**, and if you desaturate by 10%, it is **18.6472, 21.9667, 7.7150**.

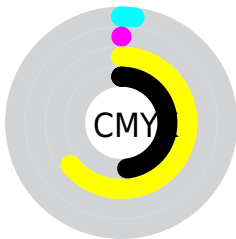
Distribution



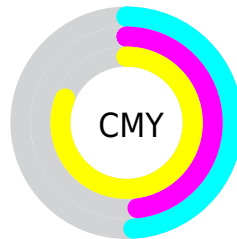
- Red (51%)
- Green (52%)
- Blue (19%)



- Red (19%)
- Yellow (52%)
- Blue (20%)



- Cyan (2%)
- Magenta (0%)
- Yellow (64%)
- Black (48%)



- Cyan (49%)
- Magenta (48%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2811, 21.8138, 6.0433 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 18.2811, 21.8138, 6.0433 by changing the saturation by 10% instead.

■ 18.2811, 21.8138,
6.0433

■ 18.2811, 21.8138,
6.0433

235.4658,
261.5723, 168.7765

■ 11.2529, 13.7201,
2.8022

■ 40.0421, 46.4381,
18.4999

■ 6.3057, 7.9263,
0.9946

■ 55.5056, 63.7374,
28.5525

■ 3.0743, 4.0478,
0.0000

■ 74.5115, 84.8742,
41.7127

■ 1.1932, 1.7003,
0.0000

■ 97.4253, 110.2327,
58.3991

■ 0.1010, 0.4239,
0.0000

■ 124.6122,
140.1974, 79.0301

■ 0.0000, 0.0000,
0.0000

■ 156.4377,

175.1526, 104.0243

193.2671,
215.4828, 133.8002

■ 18.2811, 21.8138,
6.0433

■ 18.2811, 21.8138,
6.0433

■ 17.9985, 21.6960,
4.8062

■ 18.6472, 21.9667,
7.7150

■ 17.7903, 21.6071,
3.9621

■ 19.1020, 22.1542,
9.8551

■ 17.6473, 21.5443,
3.4610

■ 19.6519, 22.3799,
12.4957

■ 17.5737, 21.5115,
3.2259

■ 20.3026, 22.6458,
15.6655

■ 21.0589, 22.9540,
19.3913

■ 21.9257, 23.3064,
23.6979

■ 22.9073, 23.7048,
28.6087

■ 24.0081, 24.1508,
34.1457

■ 25.2318, 24.6461,
40.3299

Harmonies

Analogous

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



23.1666, 21.8138, 5.9782



18.2811, 21.8138, 6.0433



14.6730, 21.8138, 9.3967

Triad

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



18.2811, 21.8138, 6.0433



14.7966, 21.8138, 48.8975



31.3233, 21.8138, 31.1161

Complementary

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



18.2811, 21.8138, 6.0433



6.6067, 4.4860, 22.7094

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.



28.2677, 21.8138, 48.1814



18.2811, 21.8138, 6.0433



18.4768, 21.8138, 60.8888

Square

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



18.2811, 21.8138, 6.0433



12.8893, 21.8138, 31.8490



23.3957, 21.8138, 60.5845



31.2485, 21.8138, 17.1580

Rectangle

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



18.2811, 21.8138, 6.0433



13.2492, 21.8138, 14.2401



23.3957, 21.8138, 60.5845



30.6095, 21.8138, 36.7659

Sweetspot

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



18.2816, 21.8148, 6.0438



36.9379, 40.7890, 30.9130



11.3230, 7.4322, 3.6344



8.2488, 9.1596, 6.6056



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.



18.2816, 21.8148, 6.0438



32.0333, 38.7673, 7.7915



13.0498, 19.1177, 5.7989



5.0292, 5.4176, 5.0100



16.7392, 20.4893, 3.0726



0.0588, 0.0714, 0.0107

Inverse Universe

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



6.6067, 4.4860, 22.7094



9.3340, 5.0565, 40.2225



9.6966, 6.0789, 22.8540



4.4439, 4.5494, 5.8447



4.0710, 1.6328, 21.2373



0.0147, 0.0060, 0.0736

Previews

White Background



This preview shows how the XYZ color 18.2811, 21.8138, 6.0433 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 18.2811, 21.8138, 6.0433 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 18.2811, 21.8138, 6.0433

Background



This preview shows how black text looks on a background with the XYZ color 18.2811, 21.8138, 6.0433.



This preview shows how white text looks on a background with the XYZ color 18.2811, 21.8138,

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

18.2811, 21.8138, 6.0433

Protanopia

19.8649, 21.8350, 5.8569

Deuteranopia

22.0543, 21.6317, 6.1449



Tritanopia

22.1582, 21.6255, 25.5605

Trichromacy



Original Color

18.2811, 21.8138, 6.0433

Protanomaly

19.1432, 21.6595, 5.8611

Deuteranomaly

20.4310, 21.5416, 6.0987

Tritanomaly

20.1909, 21.3923, 15.8969

Monochromacy



Original Color

18.2811, 21.8138, 6.0433

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.3049, 20.4589, 14.0505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2811, 21.8138, 6.0433 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(131, 133, 48)` looks like.

```
.text, #text, p{  
    color:rgb(131, 133, 48)  
}
```

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(131, 133, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 133, 48) }
```

Border

The CSS property to change the border of an element to XYZ 18.2811, 21.8138, 6.0433 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(131, 133, 48) }
```


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

```
.border{ border-color:rgb(131, 133, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 133, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 133, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 133, 48);  
box-shadow:4px 4px 4px 4px rgb(131, 133,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2811, 21.8138, 6.0433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 133, 48) }
```

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

```
.background{ background-color: rgb(131,  
133, 48) }
```

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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