

Converting Colors

XYZ(18.9977, 21.7145, 2.5020)

Have a look what the booklet for
XYZ(18.9977, 21.7145, 2.5020)
contains.

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Color

**XYZ(19.1380, 21.7160,
3.1829)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8200
RGB	142, 130, 0
RGB Percent	56%, 51%, 0%
CMY	0.4431, 0.4902, 1.0000
CMYK	0.00, 0.08, 1.00, 0.44
HSL	55°, 100%, 28%
HSV	55°, 100%, 56%
XYZ	19.1380, 21.7160, 3.1829
YIQ	118.7680, 48.8820, -37.8860

Conversions

Conversions Part 2

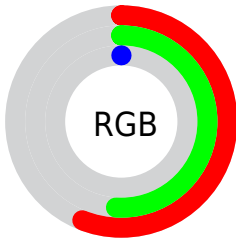
Format	Color
R_{YB}	13, 142, 0
Decimal	9339392
CIE Lab	53.72, -7.48, 58.60
CIE LCh	54, 59.079, 97.270
Yxy	21.7160, 0.4346, 0.4931
Android (android.graphics.Color)	4287529472 (0xFF8E8200)
YUV	118.7680, -58.5526, 20.3745
Hunter-Lab	46.6004, -8.2439, 28.5707

Details

The XYZ color **19.1380, 21.7160, 3.1829** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.0141, 2.2161, 25.7547**, and the grayscale version is **17.6304, 18.5485, 20.1993**.

A 20% lighter version of the original color is **41.4998, 46.4143, 12.0818**, and **6.9669, 7.9596, 1.1692** is the 20% darker color. If you saturate the color by 10%, you get **19.1384, 21.7168, 3.1831**, and if you desaturate by 10%, it is **19.3797, 22.0703, 3.6615**.

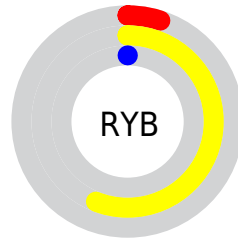
Distribution



Red (56%)

Green (51%)

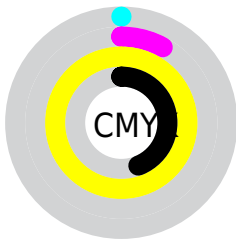
Blue (0%)



Red (5%)

Yellow (56%)

Blue (0%)

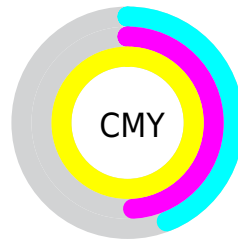


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (44%)



Cyan (44%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1380, 21.7160, 3.1829 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 19.1380, 21.7160, 3.1829 by changing the saturation by 10% instead.

■ 19.1380, 21.7160,
3.1829

■ 19.1380, 21.7160,
3.1829

240.1331,
261.0596, 138.6571

■ 11.8746, 13.6484,
1.1888

■ 41.4822, 46.2762,
12.0765

■ 6.7300, 7.8765,
0.0000

■ 57.2938, 63.5375,
19.8131

■ 3.3386, 4.0160,
0.0000

■ 76.6855, 84.6321,
30.3009

■ 1.3353, 1.6825,
0.0000

■ 100.0226,
109.9446, 43.9584


■ 0.2094, 0.4123,
0.0000


■ 127.6706,
139.8591, 61.2043


■ 0.0000, 0.0000,
0.0000


■ 159.9948,


174.7602, 82.4570


 197.3605,
215.0322, 108.1351


 19.1380, 21.7160,
3.1829


 19.1380, 21.7160,
3.1829


 19.1384, 21.7168,
3.1831

 19.3797, 22.0703,
3.6615

 19.6759, 22.4487,
4.4204

 20.0545, 22.8629,
5.6040

 20.5255, 23.3172,
7.2647

 21.0974, 23.8147,
9.4474

■ 21.7777, 24.3587,
12.1917

■ 22.5732, 24.9519,
15.5334

■ 23.4903, 25.5966,
19.5055

■ 24.5345, 26.2954,
24.1383

Harmonies

Analogous

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



25.7100, 21.7160, 3.8639



19.1380, 21.7160, 3.1829



14.1118, 21.7160, 5.3382

Triad

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



19.1380, 21.7160, 3.1829



12.3900, 21.7160, 51.6621



34.0262, 21.7160, 39.8345

Complementary

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



19.1380, 21.7160, 3.1829



5.0141, 2.2161, 25.7547

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.



28.9241, 21.7160, 63.6512



19.1380, 21.7160, 3.1829



16.2853, 21.7160, 72.5756

Square

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



19.1380, 21.7160, 3.1829



10.7673, 21.7160, 28.3367



22.2195, 21.7160, 77.8234



35.2226, 21.7160, 19.5021

Rectangle

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



19.1380, 21.7160, 3.1829



12.0006, 21.7160, 9.3612



22.2195, 21.7160, 77.8234



32.6670, 21.7160, 47.9457

Sweetspot

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



19.1385, 21.7170, 3.1833



39.7115, 43.9320, 26.9887



11.2361, 5.7832, 0.9469



8.7497, 9.7243, 5.5198



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.1385, 21.7170, 3.1833



33.6904, 38.1789, 5.5936



13.4378, 21.2868, 3.4008



5.8011, 6.2086, 5.7820



17.1899, 19.5115, 2.8601



0.1718, 0.2014, 0.0298

Inverse Universe

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



5.0141, 2.2161, 25.7547



8.7880, 3.8002, 45.3982



6.5588, 2.8173, 25.7893



5.1640, 5.3237, 6.7842



4.5083, 2.0026, 23.1260



0.0489, 0.0308, 0.2230

Previews

White Background



This preview shows how the XYZ color 19.1380, 21.7160, 3.1829 looks on a white background.

Color Contrast Check

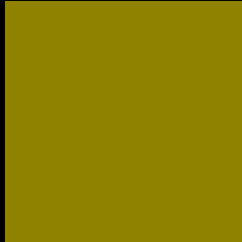
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1380, 21.7160, 3.1829 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 19.1380, 21.7160, 3.1829

Background



This preview shows how black text looks on a background with the XYZ color 19.1380, 21.7160, 3.1829.

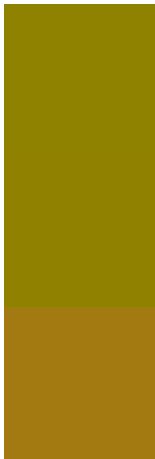


This preview shows how white text looks on a background with the XYZ color 19.1380, 21.7160,

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

19.1380, 21.7160, 3.1829

Protanopia

19.5273, 21.7203, 3.1632

Deuteranopia

21.9610, 21.6409, 3.5500



Tritanopia

23.4443, 21.7705, 24.0856

Trichromacy



Original Color

19.1380, 21.7160, 3.1829

Protanomaly

19.3519, 21.6298, 3.1550

Deuteranomaly

20.9116, 21.6600, 3.3952

Tritanomaly

20.8016, 21.2429, 11.1875

Monochromacy



Original Color

19.1380, 21.7160, 3.1829

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.1399, 19.1997, 9.6400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1380, 21.7160, 3.1829 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(142, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 130, 0)  
}
```

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(142, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 130, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.1380, 21.7160, 3.1829 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(142, 130, 0) }
```


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

```
.border{ border-color:rgb(142, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 130,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1380, 21.7160, 3.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 130, 0) }
```

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

```
.background{ background-color: rgb(142,  
130, 0) }
```

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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