

Converting Colors

XYZ(18.3523, 19.9401, 2.8816)

Have a look what the booklet for
XYZ(18.3523, 19.9401, 2.8816)
contains.

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Color

**XYZ(18.4107, 20.0056,
2.8911)**

Conversions

Conversions Part 1

Format	Color
Hex	8F7B00
RGB	143, 123, 0
RGB Percent	56%, 48%, 0%
CMY	0.4392, 0.5176, 1.0000
CMYK	0.00, 0.14, 1.00, 0.44
HSL	52°, 100%, 28%
HSV	52°, 100%, 56%
XYZ	18.4107, 20.0056, 2.8911
YIQ	114.9580, 51.4030, -34.0130

Conversions

Conversions Part 2

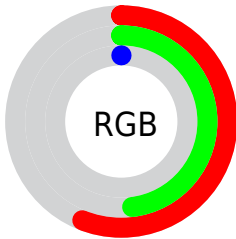
Format	Color
R_{YB}	23, 143, 0
Decimal	9403136
CIE Lab	51.84, -3.13, 57.31
CIE LCh	52, 57.390, 93.126
Yxy	20.0056, 0.4457, 0.4843
Android (android.graphics.Color)	4287593216 (0xFF8F7B00)
YUV	114.9580, -56.6743, 24.5928
Hunter-Lab	44.7276, -4.7995, 27.4770

Details

The XYZ color **18.4107, 20.0056, 2.8911** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.2082, 2.4836, 26.1914**, and the grayscale version is **16.4393, 17.2954, 18.8347**.

A 20% lighter version of the original color is **40.1328, 43.3327, 11.4031**, and **6.5406, 7.1069, 1.0270** is the 20% darker color. If you saturate the color by 10%, you get **18.4110, 20.0063, 2.8912**, and if you desaturate by 10%, it is **18.7431, 20.5403, 3.4033**.

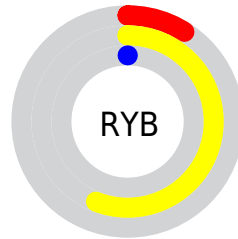
Distribution



Red (56%)

Green (48%)

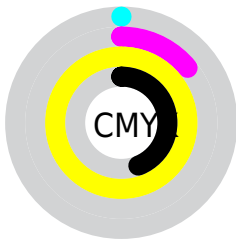
Blue (0%)



Red (9%)

Yellow (56%)

Blue (0%)

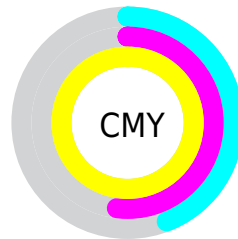


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (44%)



Cyan (44%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4107, 20.0056, 2.8911 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 18.4107, 20.0056, 2.8911 by changing the saturation by 10% instead.

■ 18.4107, 20.0056,
2.8911

■ 18.4107, 20.0056,
2.8911

236.1769,
251.9454, 134.9613

■ 11.3467, 12.3991,
1.0393

■ 40.2605, 43.4266,
11.3585

■ 6.3696, 7.0161,
0.0000

■ 55.7771, 60.0098,
18.8112

■ 3.1139, 3.4722,
0.0000

■ 74.8419, 80.3542,
28.9680

■ 1.2143, 1.3829,
0.0000

■ 97.8203, 104.8440,
42.2473

■ 0.1176, 0.2041,
0.0000


■ 125.0776,
133.8636, 59.0678


■ 0.0000, 0.0000,
0.0000


■ 156.9793,


167.7974, 79.8479


 193.8906,
207.0299, 105.0062


 18.4107, 20.0056,
2.8911


 18.4107, 20.0056,
2.8911


 18.4110, 20.0063,
2.8912

 18.7431, 20.5403,
3.4033

 19.1344, 21.1060,
4.2025

 19.6127, 21.7147,
5.4343

 20.1880, 22.3704,
7.1520

 20.8692, 23.0768,
9.4013

■ 21.6639, 23.8369,
12.2226

■ 22.5790, 24.6536,
15.6524

■ 23.6210, 25.5295,
19.7241

■ 24.7957, 26.4669,
24.4687

Harmonies

Analogous

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



24.5374, 20.0056, 3.8738



18.4107, 20.0056, 2.8911



13.5294, 20.0056, 4.4534

Triad

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



18.4107, 20.0056, 2.8911



11.0956, 20.0056, 44.4220



30.8510, 20.0056, 39.7275

Complementary

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



18.4107, 20.0056, 2.8911



5.2082, 2.4836, 26.1914

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.



25.8123, 20.0056, 61.1777



18.4107, 20.0056, 2.8911



14.3899, 20.0056, 64.7248

Square

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



18.4107, 20.0056, 2.8911



9.8837, 20.0056, 23.5784



19.6318, 20.0056, 72.0424



32.5269, 20.0056, 20.0805

Rectangle

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



18.4107, 20.0056, 2.8911



11.3915, 20.0056, 7.6520



19.6318, 20.0056, 72.0424



29.4500, 20.0056, 47.2417

Sweetspot

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



18.4111, 20.0066, 2.8915



40.3242, 44.0544, 27.6046



11.4673, 5.8956, 1.2654



9.1004, 9.9736, 5.7738



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.



18.4111, 20.0066, 2.8915



32.8777, 35.6409, 5.1465



14.3318, 21.9695, 3.4854



5.7762, 6.1586, 5.7737



16.2902, 17.7121, 2.5602



0.1672, 0.1922, 0.0283

Inverse Universe

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



5.2082, 2.4836, 26.1914



9.2490, 4.2917, 46.8789



6.2761, 2.6628, 26.1697



5.1867, 5.3691, 6.7917



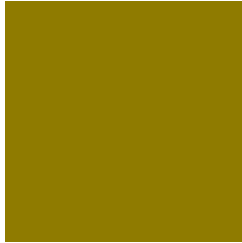
4.6149, 2.2158, 23.1615



0.0535, 0.0400, 0.2246

Previews

White Background



This preview shows how the XYZ color 18.4107, 20.0056, 2.8911 looks on a white background.

Color Contrast Check

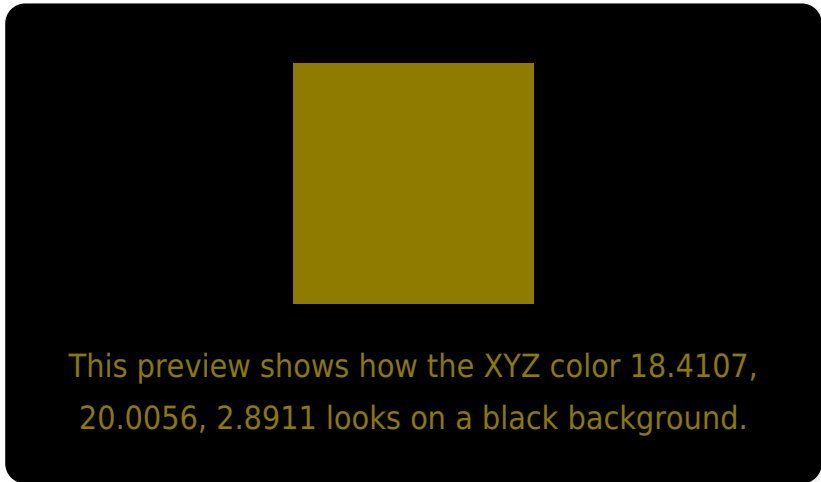
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

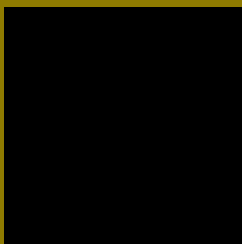
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4107, 20.0056, 2.8911

Background



This preview shows how black text looks on a background with the XYZ color 18.4107, 20.0056, 2.8911.



This preview shows how white text looks on a background with the XYZ color 18.4107, 20.0056,

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

18.4107, 20.0056, 2.8911

Protanopia

18.0448, 19.9995, 3.0241

Deuteranopia

20.3452, 19.9224, 3.1886



Tritanopia

22.1701, 19.9487, 21.4209

Trichromacy



Original Color

18.4107, 20.0056, 2.8911

Protanomaly

18.2086, 20.0846, 3.0032

Deuteranomaly

19.5950, 19.8888, 3.0646

Tritanomaly

19.7691, 19.4757, 9.9250

Monochromacy



Original Color

18.4107, 20.0056, 2.8911

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.1385, 17.7979, 8.8881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4107, 20.0056, 2.8911 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(143, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 123, 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(143, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.4107, 20.0056, 2.8911 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(143, 123, 0) }
```


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

```
.border{ border-color:rgb(143, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 123,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4107, 20.0056, 2.8911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 123, 0) }
```

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

```
.background{ background-color: rgb(143,  
123, 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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