

Converting Colors

XYZ(18.1788, 18.9736, 3.8516)

Have a look what the booklet for
XYZ(18.1788, 18.9736, 3.8516)
contains.

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Color

**XYZ(18.2018, 18.9749,
3.8656)**

Conversions

Conversions Part 1

Format	Color
Hex	90761D
RGB	144, 118, 29
RGB Percent	56%, 46%, 11%
CMY	0.4353, 0.5372, 0.8863
CMYK	0.00, 0.18, 0.80, 0.44
HSL	46°, 66%, 34%
HSV	46°, 80%, 56%
XYZ	18.2018, 18.9749, 3.8656
YIQ	115.6280, 44.0650, -22.1670

Conversions

Conversions Part 2

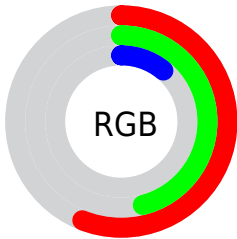
Format	Color
R_{YB}	63, 144, 29
Decimal	9467421
CIE _{Lab}	50.66, 0.88, 49.19
CIE _{LCh}	51, 49.202, 88.972
Yxy	18.9749, 0.4435, 0.4623
Android (android.graphics.Color)	4287657501 (0xFF90761D)
YUV	115.6280, -42.7076, 24.8822
Hunter-Lab	43.5602, -1.6434, 25.2306

Details

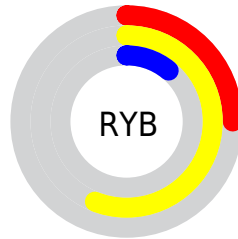
The XYZ color **18.2018, 18.9749, 3.8656** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.9069, 5.0071, 26.9877**, and the grayscale version is **16.6041, 17.4688, 19.0236**.

A 20% lighter version of the original color is **39.9473, 41.7610, 13.7398**, and **6.4066, 6.5540, 0.9274** is the 20% darker color. If you saturate the color by 10%, you get **17.6871, 18.1669, 3.0116**, and if you desaturate by 10%, it is **18.8139, 19.8445, 5.1633**.

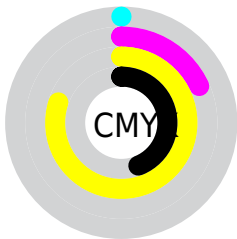
Distribution



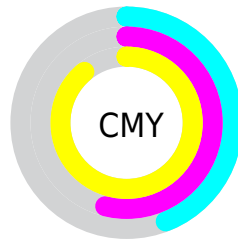
- Red (56%)
- Green (46%)
- Blue (11%)



- Red (25%)
- Yellow (56%)
- Blue (11%)



- Cyan (0%)
- Magenta (18%)
- Yellow (80%)
- Black (44%)



- Cyan (44%)
- Magenta (54%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2018, 18.9749, 3.8656 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 18.2018, 18.9749, 3.8656 by changing the saturation by 10% instead.

■ 18.2018, 18.9749,
3.8656

■ 18.2018, 18.9749,
3.8656

235.0297,
246.3102, 146.7196

■ 11.1955, 11.6521,
1.5519

■ 39.9083, 41.6917,
13.6986

■ 6.2668, 6.5073,
0.2562

■ 55.3392, 57.8545,
22.0550

■ 3.0502, 3.1559,
0.0000

■ 74.3091, 77.7328,
33.2626

■ 1.1803, 1.2137,
0.0000

■ 97.1832, 101.7109,
47.7402

■ 0.0908, 0.0728,
0.0000

■ 124.3270,
130.1734, 65.9061

■ 0.0000, 0.0000,
0.0000

■ 156.1057,

163.5044, 88.1789

192.8849,
202.0886, 114.9773

18.2018, 18.9749,
3.8656

18.2018, 18.9749,
3.8656

17.6871, 18.1669,
3.0116

18.8139, 19.8445,
5.1633

17.2411, 17.4067,
2.4570

19.5325, 20.7773,
6.9578

17.2349, 17.3961,
2.4494

20.3670, 21.7781,
9.2959

21.3253, 22.8502,
12.2187

22.4145, 23.9966,
15.7632

■ 23.6412, 25.2202,
19.9635

■ 25.0115, 26.5236,
24.8512

■ 26.5312, 27.9093,
30.4557

■ 28.2056, 29.3797,
36.8048

Harmonies

Analogous

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



23.2449, 18.9749, 5.2437



18.2018, 18.9749, 3.8656



13.9091, 18.9749, 5.0552

Triad

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



18.2018, 18.9749, 3.8656



11.0830, 18.9749, 36.3634



27.1968, 18.9749, 37.5786

Complementary

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



18.2018, 18.9749, 3.8656



6.9069, 5.0071, 26.9877

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.



22.9056, 18.9749, 53.6553



18.2018, 18.9749, 3.8656



13.6684, 18.9749, 52.7609

Square

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



18.2018, 18.9749, 3.8656



10.2668, 18.9749, 20.1881



17.8694, 18.9749, 60.1684



28.9756, 18.9749, 21.1401

Rectangle

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



18.2018, 18.9749, 3.8656



11.9095, 18.9749, 7.6785



17.8694, 18.9749, 60.1684



25.9666, 18.9749, 43.4325

Sweetspot

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



18.2022, 18.9758, 3.8660



40.6645, 43.4657, 31.6311



12.6507, 7.0921, 4.4225



9.1681, 9.8099, 6.7187



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.



18.2022, 18.9758, 3.8660



30.5679, 30.9560, 4.5778



17.0481, 23.5679, 4.8132



5.7376, 6.0815, 5.7608



15.0266, 15.1850, 2.1390



0.1600, 0.1779, 0.0259

Inverse Universe

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



6.9069, 5.0071, 26.9877



10.0226, 5.7007, 47.1101



7.3170, 3.8429, 26.7414



5.2224, 5.4405, 6.8036



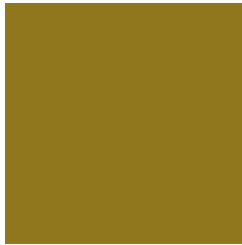
4.8621, 2.7102, 23.2439



0.0607, 0.0543, 0.2270

Previews

White Background



This preview shows how the XYZ color 18.2018, 18.9749, 3.8656 looks on a white background.

Color Contrast Check

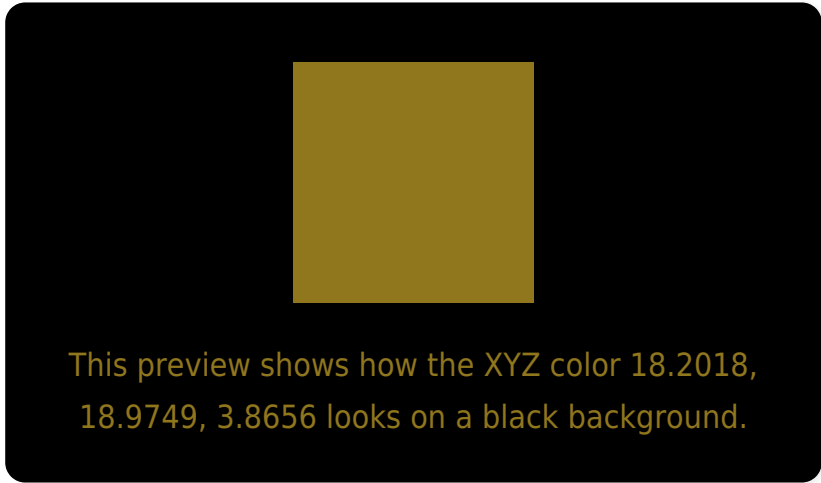
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2018, 18.9749, 3.8656

Background



This preview shows how black text looks on a background with the XYZ color 18.2018, 18.9749, 3.8656.



This preview shows how white text looks on a background with the XYZ color 18.2018, 18.9749,

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

18.2018, 18.9749, 3.8656

Protanopia

17.2251, 19.0027, 3.9883

Deuteranopia

19.3270, 19.0358, 3.9520



Tritanopia

21.4236, 18.9439, 19.6669

Trichromacy



Original Color

18.2018, 18.9749, 3.8656

Protanomaly

17.5983, 19.0156, 3.9712

Deuteranomaly

18.8742, 18.9741, 3.8959

Tritanomaly

19.7976, 18.7780, 11.3852

Monochromacy



Original Color

18.2018, 18.9749, 3.8656

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5657, 17.7983, 10.9498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2018, 18.9749, 3.8656 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(144, 118, 29)` looks like.

```
.text, #text, p{  
    color:rgb(144, 118, 29)  
}
```

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(144, 118, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 118, 29) }
```

Border

The CSS property to change the border of an element to XYZ 18.2018, 18.9749, 3.8656 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(144, 118, 29) }
```


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

```
.border{ border-color:rgb(144, 118, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 118, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 118, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 118, 29);  
box-shadow:4px 4px 4px 4px rgb(144, 118,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2018, 18.9749, 3.8656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 118, 29) }
```

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

```
.background{ background-color: rgb(144,  
118, 29) }
```

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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