

Converting Colors

XYZ(15.1672, 18.2146, 3.1130)

Have a look what the booklet for
XYZ(15.1672, 18.2146, 3.1130)
contains.

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Color

**XYZ(15.0582, 18.0857,
3.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7A0D
RGB	122, 122, 13
RGB Percent	48%, 48%, 5%
CMY	0.5216, 0.5216, 0.9490
CMYK	0.00, 0.00, 0.89, 0.52
HSL	60°, 81%, 26%
HSV	60°, 89%, 48%
XYZ	15.0582, 18.0857, 3.0780
YIQ	109.5740, 34.9890, -33.8990

Conversions

Conversions Part 2

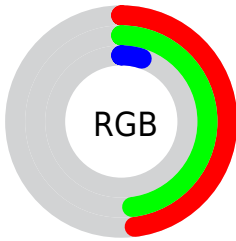
Format	Color
RYB	13, 122, 13
Decimal	8026637
CIELab	49.60, -12.21, 52.18
CIELCh	50, 53.587, 103.168
Yxy	18.0857, 0.4157, 0.4993
Android (android.graphics.Color)	4286216717 (0xFF7A7A0D)
YUV	109.5740, -47.6110, 10.8976
Hunter-Lab	42.5273, -11.2189, 25.4779

Details

The XYZ color **15.0582, 18.0857, 3.0780** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.8232, 1.7789, 18.5554**, and the grayscale version is **14.8244, 15.5965, 16.9845**.

A 20% lighter version of the original color is **34.4048, 40.0741, 11.8830**, and **4.9746, 6.1996, 0.9345** is the 20% darker color. If you saturate the color by 10%, you get **14.9903, 18.0592, 2.7189**, and if you desaturate by 10%, it is **15.1637, 18.1286, 3.6314**.

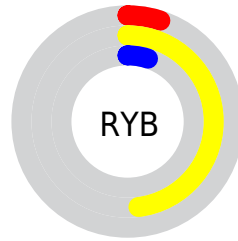
Distribution



Red (48%)

Green (48%)

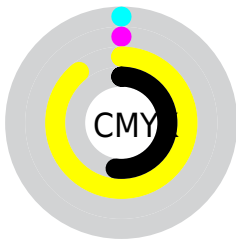
Blue (5%)



Red (5%)

Yellow (48%)

Blue (5%)

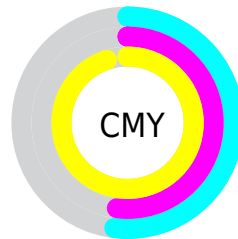


Cyan (0%)

Magenta (0%)

Yellow (89%)

Black (52%)



Cyan (52%)

Magenta (52%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0582, 18.0857, 3.0780 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 15.0582, 18.0857, 3.0780 by changing the saturation by 10% instead.

■ 15.0582, 18.0857,
3.0780

■ 15.0582, 18.0857,
3.0780

217.0996,
241.3536, 137.3479

■ 8.9468, 11.0115,
1.1346

■ 34.5261, 40.1833,
11.8203

■ 4.7633, 6.0746,
0.0000

■ 48.6133, 55.9755,
19.4563

■ 2.1424, 2.8905,
0.0000

■ 66.0898, 75.4426,
29.8269

■ 0.7121, 1.0748,
0.0000

■ 87.3210, 98.9688,
43.3506

■ 0.0000, 0.0000,
0.0000

■ 112.6722,
126.9386, 60.4461

■ 142.5088,

159.7364, 81.5317

177.1962,
197.7467, 107.0262

15.0582, 18.0857,
3.0780

15.0582, 18.0857,
3.0780

14.9903, 18.0592,
2.7189

15.1637, 18.1286,
3.6314

14.9859, 18.0574,
2.6956

15.3264, 18.1937,
4.4879

15.5534, 18.2845,
5.6829

15.8504, 18.4033,
7.2466

16.2226, 18.5522,
9.2059

■ 16.6745, 18.7329,
11.5852

■ 17.2104, 18.9473,
14.4069

■ 17.8342, 19.1969,
17.6918

■ 18.5498, 19.4831,
21.4594

Harmonies

Analogous

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



20.1780, 18.0857, 3.2143



15.0582, 18.0857, 3.0780



11.3331, 18.0857, 5.5197

Triad

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



15.0582, 18.0857, 3.0780



11.0017, 18.0857, 45.7188



28.3439, 18.0857, 28.9597

Complementary

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



15.0582, 18.0857, 3.0780



3.8232, 1.7789, 18.5554

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.



24.7806, 18.0857, 47.9733



15.0582, 18.0857, 3.0780



14.5124, 18.0857, 60.4687

Square

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



15.0582, 18.0857, 3.0780



9.3217, 18.0857, 26.7817



19.5139, 18.0857, 61.4524



28.5702, 18.0857, 13.9793

Rectangle

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



15.0582, 18.0857, 3.0780



9.8606, 18.0857, 9.5677



19.5139, 18.0857, 61.4524



27.4689, 18.0857, 35.2204

Sweetspot

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



15.0586, 18.0865, 3.0784



29.4822, 33.0143, 21.1631



8.2432, 4.4549, 0.8064



6.6882, 7.5276, 4.5603



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.0586, 18.0865, 3.0784



26.3630, 31.7665, 4.7421



9.3822, 15.1602, 2.8127



4.3077, 4.6339, 4.2919



15.7767, 19.0104, 2.8379



75.2564, 90.6815, 13.5369

Inverse Universe

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



3.8232, 1.7789, 18.5554



6.1802, 2.4721, 32.5443



6.0066, 2.9045, 18.6575



3.7976, 3.8936, 4.9946



3.6985, 1.4794, 19.4759



17.6422, 7.0569, 92.9021

Previews

White Background



This preview shows how the XYZ color 15.0582, 18.0857, 3.0780 looks on a white 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

Black Background



This preview shows how the XYZ color 15.0582, 18.0857, 3.0780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

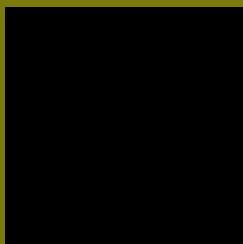
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0582, 18.0857, 3.0780

Background



This preview shows how black text looks on a background with the XYZ color 15.0582, 18.0857, 3.0780.



This preview shows how white text looks on a background with the XYZ color 15.0582, 18.0857,

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

15.0582, 18.0857, 3.0780

Protanopia

16.2177, 17.9700, 2.9616

Deuteranopia

18.3334, 18.0358, 3.2740



Tritanopia

18.6239, 17.9612, 20.8976

Trichromacy



Original Color

15.0582, 18.0857, 3.0780

Protanomaly

15.7164, 17.8873, 2.9721

Deuteranomaly

17.0104, 18.0268, 3.1991

Tritanomaly

16.5208, 17.6120, 10.5114

Monochromacy



Original Color

15.0582, 18.0857, 3.0780

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.2267, 16.1200, 9.0183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0582, 18.0857, 3.0780 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(122, 122, 13)` looks like.

```
.text, #text, p{  
    color:rgb(122, 122, 13)  
}
```

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(122, 122, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 13) }
```

Border

The CSS property to change the border of an element to XYZ 15.0582, 18.0857, 3.0780 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(122, 122, 13) }
```


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

```
.border{ border-color:rgb(122, 122, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 122, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 13);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0582, 18.0857, 3.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 13) }
```

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

```
.background{ background-color: rgb(122,  
122, 13) }
```

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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