

Converting Colors

XYZ(7.1636, 14.0796, 3.1505)

Have a look what the booklet for
XYZ(7.1636, 14.0796, 3.1505)
contains.

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Color

**XYZ(7.1142, 13.9809,
3.1342)**

Conversions

Conversions Part 1

Format	Color
Hex	007A17
RGB	0, 122, 23
RGB Percent	0%, 48%, 9%
CMY	1.0000, 0.5216, 0.9098
CMYK	1.00, 0.00, 0.81, 0.52
HSL	131°, 100%, 24%
HSV	131°, 100%, 48%
XYZ	7.1142, 13.9809, 3.1342
YIQ	74.2360, -40.9330, -56.6530

Conversions

Conversions Part 2

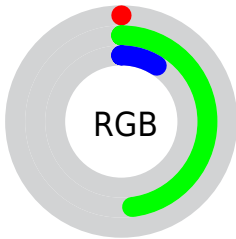
Format	Color
RYB	0, 103, 122
Decimal	31255
CIELab	44.21, -48.79, 42.51
CIELCh	44, 64.710, 138.936
Yxy	13.9809, 0.2936, 0.5770
Android (android.graphics.Color)	4278221335 (0xFF007A17)
YUV	74.2360, -25.2593, -65.1050
Hunter-Lab	37.3910, -31.4721, 21.2039

Details

The XYZ color **7.1142, 13.9809, 3.1342** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **10.2786, 5.0387, 12.2359**, and the grayscale version is **6.6002, 6.9440, 7.5620**.

A 20% lighter version of the original color is **20.0198, 33.2209, 12.0137**, and **2.2532, 4.5065, 0.7511** is the 20% darker color. If you saturate the color by 10%, you get **7.1144, 13.9814, 3.1343**, and if you desaturate by 10%, it is **7.3874, 14.1085, 3.7656**.

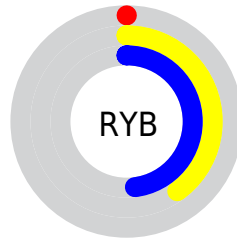
Distribution



Red (0%)

Green (48%)

Blue (9%)



Red (0%)

Yellow (40%)

Blue (48%)

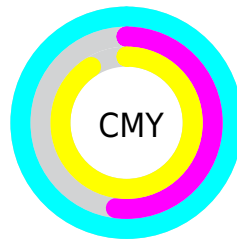


Cyan (100%)

Magenta (0%)

Yellow (81%)

Black (52%)



Cyan (100%)


Magenta (52%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.1142, 13.9809, 3.1342 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 7.1142, 13.9809, 3.1342 by changing the saturation by 10% instead.

 7.1142, 13.9809,
3.1342


 7.1142, 13.9809,
3.1342


163.1333,
217.1120, 138.0519


 3.5806, 8.1074,
1.1636


 19.9050, 33.0551,
11.9578


 1.4677, 4.1637,
0.0000

 29.8930, 47.0246,
19.6479


 0.3037, 1.7656,
0.0000

 42.7631, 64.4616,
30.0815

 0.0000, 0.4656,
0.0000


 58.8807, 85.7504,
43.6772


 0.0000, 0.0000,
0.0000


 78.6112, 111.2754,
60.8536


 102.3199,


141.4211, 82.0291


 130.3721,
176.5718, 107.6224


 7.1142, 13.9809,
3.1342


 7.1142, 13.9809,
3.1342


 7.1144, 13.9814,
3.1343

 7.3874, 14.1085,
3.7656

 7.7786, 14.2917,
4.6153

 8.3444, 14.5599,
5.7031

 9.1032, 14.9222,
7.0453

 10.0708, 15.3863,
8.6566

■ 11.2615, 15.9595,
10.5506

■ 12.6882, 16.6480,
12.7399

■ 14.3628, 17.4578,
15.2364

■ 16.2966, 18.3943,
18.0515

Harmonies

Analogous

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



10.3166, 13.9809, 1.0518



7.1142, 13.9809, 3.1342



5.7252, 13.9809, 10.3868

Triad

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



7.1142, 13.9809, 3.1342



11.4705, 13.9809, 63.7435



25.0834, 13.9809, 7.7272

Complementary

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



7.1142, 13.9809, 3.1342



10.2786, 5.0387, 12.2359

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.



25.6267, 13.9809, 21.3661



7.1142, 13.9809, 3.1342



16.7823, 13.9809, 61.1517

Square

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



7.1142, 13.9809, 3.1342



7.7696, 13.9809, 48.3580



22.2809, 13.9809, 42.6287



20.9466, 13.9809, 2.2660

Rectangle

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



7.1142, 13.9809, 3.1342



5.6887, 13.9809, 20.0869



22.2809, 13.9809, 42.6287



25.7262, 13.9809, 11.2151

Sweetspot

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



7.1145, 13.9815, 3.1345



22.1247, 29.1926, 22.1146



12.1751, 16.6082, 2.5641



4.8571, 6.5775, 4.7495



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.



7.1145, 13.9815, 3.1345



12.4758, 24.5806, 5.3023



8.5355, 14.5499, 10.6171



3.9789, 4.4612, 4.4228



7.4876, 14.7187, 3.2865



35.4770, 70.1138, 14.4159

Inverse Universe

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



10.2786, 5.0387, 12.2359



18.0359, 8.8455, 21.2806



8.3866, 4.2819, 2.2725



4.1236, 4.0652, 4.8487



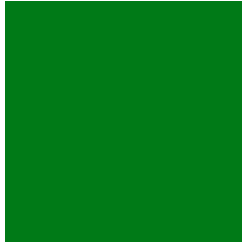
10.8185, 5.3035, 12.8669



51.3103, 25.1805, 59.8234

Previews

White Background



This preview shows how the XYZ color 7.1142, 13.9809, 3.1342 looks on a white background.

Color Contrast Check

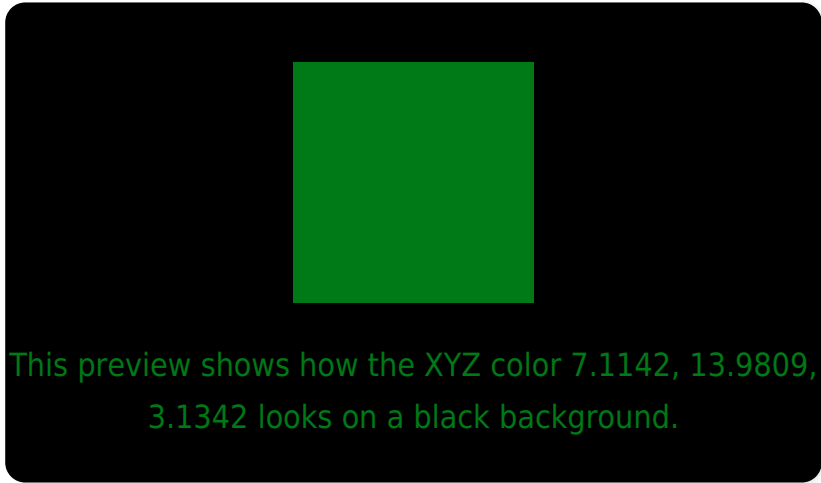
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

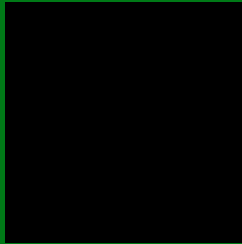
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.1142, 13.9809, 3.1342

Background



This preview shows how black text looks on a background with the XYZ color 7.1142, 13.9809, 3.1342.



This preview shows how white text looks on a background with the XYZ color 7.1142, 13.9809,

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

7.1142, 13.9809, 3.1342

Protanopia

12.4969, 13.9287, 2.6021

Deuteranopia

13.9565, 13.7850, 3.4386



Tritanopia

10.9577, 14.1685, 20.8962

Trichromacy



Original Color

7.1142, 13.9809, 3.1342



Protanomaly

8.6347, 12.8752, 2.6919



Deuteranomaly

9.0593, 12.4481, 3.1535



Tritanomaly

8.6773, 13.7178, 11.2073

Monochromacy



Original Color

7.1142, 13.9809, 3.1342



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

5.6030, 8.3623, 4.9332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.1142, 13.9809, 3.1342 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(0, 122, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 23)  
}
```

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(0, 122, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 23) }
```

Border

The CSS property to change the border of an element to XYZ 7.1142, 13.9809, 3.1342 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(0, 122, 23) }
```


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

```
.border{ border-color:rgb(0, 122, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 23);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 23)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.1142, 13.9809, 3.1342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 23) }
```

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

```
.background{ background-color: rgb(0, 122,  
23) }
```

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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