

Converting Colors

XYZ(7.4480, 14.7029, 3.0780)

Have a look what the booklet for
XYZ(7.4480, 14.7029, 3.0780)
contains.

XYZ(7.4512, 14.7142, 3.0635)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(7.4512, 14.7142,
3.0635)**

Conversions

Conversions Part 1

Format	Color
Hex	007D13
RGB	0, 125, 19
RGB Percent	0%, 49%, 7%
CMY	1.0000, 0.5098, 0.9255
CMYK	1.00, 0.00, 0.85, 0.51
HSL	129°, 100%, 25%
HSV	129°, 100%, 49%
XYZ	7.4512, 14.7142, 3.0635
YIQ	75.5410, -40.4740, -59.4660

Conversions

Conversions Part 2

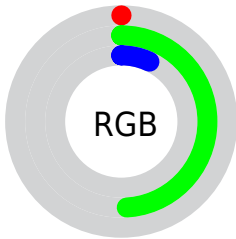
Format	Color
RYB	0, 109, 125
Decimal	32019
CIELab	45.24, -49.97, 44.76
CIELCh	45, 67.086, 138.152
Yxy	14.7142, 0.2953, 0.5832
Android (android.graphics.Color)	4278222099 (0xFF007D13)
YUV	75.5410, -27.8747, -66.2495
Hunter-Lab	38.3591, -32.4550, 22.1162

Details

The XYZ color **7.4512, 14.7142, 3.0635** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **11.0596, 5.4010, 14.0964**, and the grayscale version is **6.8409, 7.1972, 7.8377**.

A 20% lighter version of the original color is **20.6310, 34.4267, 11.8610**, and **2.4488, 4.8976, 0.8163** is the 20% darker color. If you saturate the color by 10%, you get **7.4514, 14.7147, 3.0635**, and if you desaturate by 10%, it is **7.7220, 14.8413, 3.6597**.

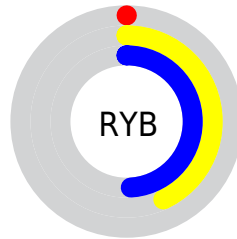
Distribution



Red (0%)

Green (49%)

Blue (7%)



Red (0%)

Yellow (43%)

Blue (49%)

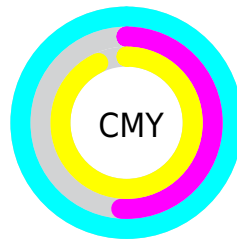


Cyan (100%)

Magenta (0%)

Yellow (85%)

Black (51%)



Cyan (100%)


Magenta (51%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.4512, 14.7142, 3.0635 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 7.4512, 14.7142, 3.0635 by changing the saturation by 10% instead.

 7.4512, 14.7142,
3.0635


 7.4512, 14.7142,
3.0635


165.8262,
221.6298, 137.1653


 3.7947, 8.6191,
1.1271


 20.5712, 34.3510,
11.7847


 1.5866, 4.4935,
0.0000

 30.7654, 48.6615,
19.4067


 0.3837, 1.9533,
0.0000

 43.8694, 66.4792,
29.7609

 0.0000, 0.5801,
0.0000


 60.2488, 88.1885,
43.2660


 0.0000, 0.0000,
0.0000


 80.2688, 114.1738,
60.3404


 104.2948,


144.8195, 81.4028


 132.6922,
180.5100, 106.8715


 7.4512, 14.7142,
3.0635


 7.4512, 14.7142,
3.0635


 7.4514, 14.7147,
3.0635

 7.7220, 14.8413,
3.6597

 8.1215, 15.0291,
4.4987

 8.7084, 15.3078,
5.6053

 9.5030, 15.6874,
6.9996

 10.5224, 16.1763,
8.6998

■ 11.7824, 16.7824,
10.7226

■ 13.2970, 17.5125,
13.0836

■ 15.0793, 18.3731,
15.7972

■ 17.1415, 19.3702,
18.8770

Harmonies

Analogous

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



10.9195, 14.7142, 0.9968



7.4512, 14.7142, 3.0635



5.9301, 14.7142, 10.5337

Triad

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



7.4512, 14.7142, 3.0635



11.9084, 14.7142, 68.3459



26.7617, 14.7142, 8.2663

Complementary

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



7.4512, 14.7142, 3.0635



11.0596, 5.4010, 14.0964

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.



27.2322, 14.7142, 23.1446



7.4512, 14.7142, 3.0635



17.5773, 14.7142, 66.0850

Square

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



7.4512, 14.7142, 3.0635



8.0095, 14.7142, 51.2350



23.5272, 14.7142, 46.2513



22.3737, 14.7142, 2.3410

Rectangle

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



7.4512, 14.7142, 3.0635



5.8629, 14.7142, 20.7535



23.5272, 14.7142, 46.2513



27.4188, 14.7142, 12.0694

Sweetspot

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



7.4515, 14.7148, 3.0638



23.5966, 31.2562, 23.0984



13.3079, 17.7474, 2.7244



5.1457, 7.0028, 4.9108



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



7.4515, 14.7148, 3.0638



13.3061, 26.3348, 5.2905



8.8287, 15.2657, 10.3158



4.3006, 4.8286, 4.7544



7.7749, 15.3565, 3.1875



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.0596, 5.4010, 14.0964



19.7614, 9.6541, 25.0171



8.9079, 4.5403, 2.7657



4.4710, 4.4015, 5.2845



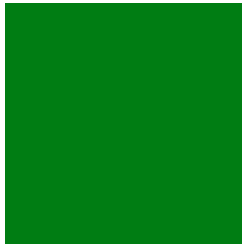
11.5403, 5.6358, 14.7009



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 7.4512, 14.7142, 3.0635 looks on a white background.

Color Contrast Check

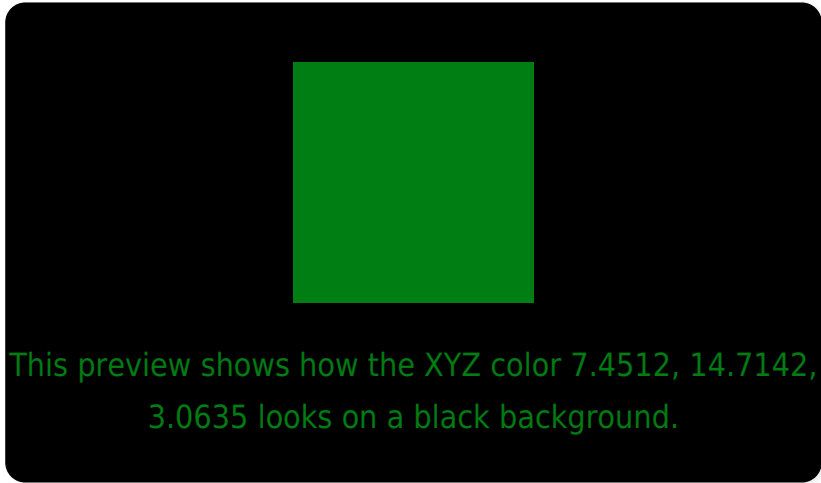
Large Text (above 18pt) WCAG AA ✓ Pass

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

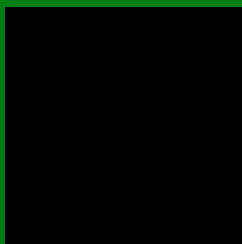
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.4512, 14.7142, 3.0635

Background



This preview shows how black text looks on a background with the XYZ color 7.4512, 14.7142, 3.0635.



This preview shows how white text looks on a background with the XYZ color 7.4512, 14.7142, 3.0635.

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

7.4512, 14.7142, 3.0635

Protanopia

13.0827, 14.5402, 2.5325

Deuteranopia

14.7459, 14.4800, 3.3842



Tritanopia

11.4275, 14.7272, 21.9790

Trichromacy



Original Color

7.4512, 14.7142, 3.0635



Protanomaly

9.0913, 13.6085, 2.6378



Deuteranomaly

9.5201, 13.1623, 3.0757



Tritanomaly

8.9443, 14.2051, 11.2873

Monochromacy



Original Color

7.4512, 14.7142, 3.0635



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

5.9112, 8.9096, 5.0226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.4512, 14.7142, 3.0635 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, 125, 19)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 19)  
}
```

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, 125, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 19) }
```

Border

The CSS property to change the border of an element to XYZ 7.4512, 14.7142, 3.0635 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, 125, 19) }
```


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

```
.border{ border-color:rgb(0, 125, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 19);  
box-shadow:4px 4px 4px 4px rgb(0, 125, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.4512, 14.7142, 3.0635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 19) }
```

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

```
.background{ background-color: rgb(0, 125,  
19) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor