

Converting Colors

XYZ(7.1458, 14.5140, 0.0000)

Have a look what the booklet for
XYZ(7.1458, 14.5140, 0.0000)
contains.

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Color

**XYZ(7.5610, 14.5975,
2.4191)**

Conversions

Conversions Part 1

Format	Color
Hex	177C00
RGB	23, 124, 0
RGB Percent	9%, 49%, 0%
CMY	0.9098, 0.5137, 1.0000
CMYK	0.81, 0.00, 1.00, 0.51
HSL	109°, 100%, 24%
HSV	109°, 100%, 49%
XYZ	7.5610, 14.5975, 2.4191
YIQ	79.6650, -20.3920, -59.9760

Conversions

Conversions Part 2

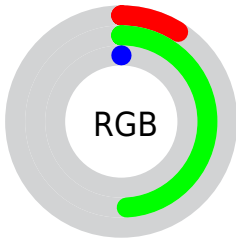
Format	Color
RYB	0, 124, 101
Decimal	1539072
CIELab	45.08, -48.23, 49.08
CIELCh	45, 68.811, 134.497
Yxy	14.5975, 0.3076, 0.5939
Android (android.graphics.Color)	4279729152 (0xFF177C00)
YUV	79.6650, -39.2748, -49.6952
Hunter-Lab	38.2067, -31.5370, 22.9907

Details

The XYZ color **7.5610, 14.5975, 2.4191** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **9.0065, 4.2229, 19.4100**, and the grayscale version is **7.6370, 8.0347, 8.7498**.

A 20% lighter version of the original color is **20.8421, 34.2744, 10.2198**, and **2.3825, 4.7651, 0.7942** is the 20% darker color. If you saturate the color by 10%, you get **7.5611, 14.5980, 2.4192**, and if you desaturate by 10%, it is **7.9073, 14.7685, 2.7949**.

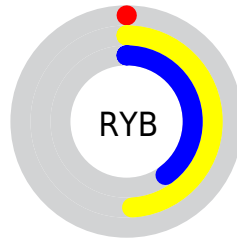
Distribution



Red (9%)

Green (49%)

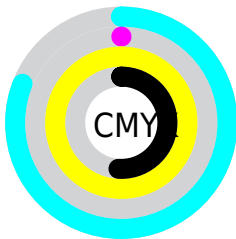
Blue (0%)



Red (0%)

Yellow (49%)

Blue (40%)

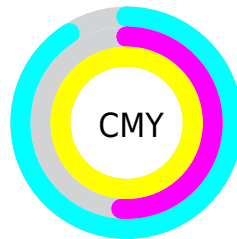


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (91%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.5610, 14.5975, 2.4191 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 7.5610, 14.5975, 2.4191 by changing the saturation by 10% instead.

■ 7.5610, 14.5975,
2.4191

■ 7.5610, 14.5975,
2.4191

166.6922,
220.9169, 128.5784

■ 3.8648, 8.5374,
0.7968

■ 20.7870, 34.1455,
10.1578

■ 1.6259, 4.4407,
0.0000

■ 31.0474, 48.4022,
17.1208

■ 0.4092, 1.9230,
0.0000

■ 44.2267, 66.1599,
26.7044

■ 0.0000, 0.5622,
0.0000

■ 60.6901, 87.8029,
39.3269


■ 0.0000, 0.0000,
0.0000


■ 80.8030, 113.7158,
55.4071


■ 104.9307,


144.2828, 75.3633


 133.4387,
179.8884, 99.6142


 7.5610, 14.5975,
2.4191


 7.5610, 14.5975,
2.4191


 7.5611, 14.5980,
2.4192

 7.9073, 14.7685,
2.7949

 8.3861, 15.0033,
3.3628

 9.0293, 15.3159,
4.2479

 9.8510, 15.7130,
5.4873

 10.8637, 16.2001,
7.1131

■ 12.0788, 16.7825,
9.1539

■ 13.5065, 17.4651,
11.6354

■ 15.1567, 18.2524,
14.5813

■ 17.0384, 19.1484,
18.0137

Harmonies

Analogous

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



11.3254, 14.5975, 0.7761



7.5610, 14.5975, 2.4191



5.8097, 14.5975, 8.9361

Triad

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



7.5610, 14.5975, 2.4191



11.1650, 14.5975, 68.7909



27.2976, 14.5975, 9.3007

Complementary

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



7.5610, 14.5975, 2.4191



9.0065, 4.2229, 19.4100

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.



27.2201, 14.5975, 25.7613



7.5610, 14.5975, 2.4191



16.7800, 14.5975, 69.1675

Square

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



7.5610, 14.5975, 2.4191



7.4713, 14.5975, 49.2595



22.9816, 14.5975, 50.0860



23.1712, 14.5975, 2.5310

Rectangle

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



7.5610, 14.5975, 2.4191



5.6093, 14.5975, 18.4646



22.9816, 14.5975, 50.0860



27.7918, 14.5975, 13.5742

Sweetspot

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



7.5613, 14.5981, 2.4194



23.5739, 30.6409, 20.1342



12.7938, 13.2476, 1.8830



5.3379, 7.1141, 4.3671



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.



7.5613, 14.5981, 2.4194



13.2130, 25.6404, 4.2527



7.5453, 14.5509, 4.1782



4.0139, 4.4824, 4.2781



7.6845, 14.8387, 2.4591



36.1154, 70.5036, 11.7051

Inverse Universe

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



9.0065, 4.2229, 19.4100



15.7411, 7.3752, 34.1505



10.0250, 4.9704, 9.4060



4.0851, 4.0418, 5.0080



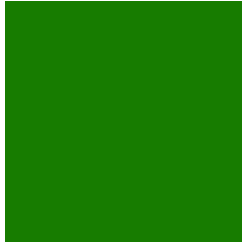
9.1533, 4.2915, 19.7312



42.9964, 20.1274, 94.0886

Previews

White Background



This preview shows how the XYZ color 7.5610, 14.5975, 2.4191 looks on a white background.

Color Contrast Check

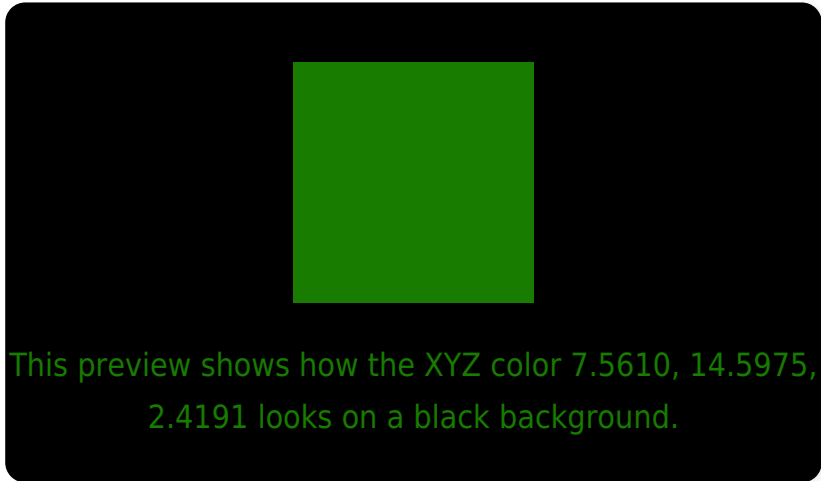
Large Text (above 18pt) WCAG AA ✓ Pass

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

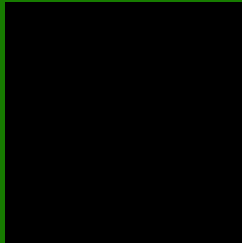
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.5610, 14.5975, 2.4191

Background



This preview shows how black text looks on a background with the XYZ color 7.5610, 14.5975, 2.4191.



This preview shows how white text looks on a background with the XYZ color 7.5610, 14.5975,

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

7.5610, 14.5975, 2.4191

Protanopia

13.0034, 14.5085, 2.1151

Deuteranopia

14.6830, 14.4548, 3.0531



Tritanopia

11.4633, 14.5829, 21.6126

Trichromacy



Original Color

7.5610, 14.5975, 2.4191

Protanomaly

9.6514, 13.7415, 2.1437

Deuteranomaly

10.1859, 13.3574, 2.5717

Tritanomaly

8.9651, 14.0715, 9.8330

Monochromacy



Original Color

7.5610, 14.5975, 2.4191

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

6.5840, 9.5346, 4.6253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.5610, 14.5975, 2.4191 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(23, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(23, 124, 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(23, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 124, 0) }
```

Border

The CSS property to change the border of an element to XYZ 7.5610, 14.5975, 2.4191 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(23, 124, 0) }
```


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

```
.border{ border-color:rgb(23, 124, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 124, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(23, 124, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.5610, 14.5975, 2.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 124, 0) }
```

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

```
.background{ background-color: rgb(23, 124,  
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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