

Converting Colors

XYZ(7.4977, 13.3460, 2.8955)

Have a look what the booklet for
XYZ(7.4977, 13.3460, 2.8955)
contains.

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Color

**XYZ(7.4515, 13.2690,
2.8779)**

Conversions

Conversions Part 1

Format	Color
Hex	2A7515
RGB	42, 117, 21
RGB Percent	16%, 46%, 8%
CMY	0.8353, 0.5412, 0.9176
CMYK	0.64, 0.00, 0.82, 0.54
HSL	107°, 70%, 27%
HSV	107°, 82%, 46%
XYZ	7.4515, 13.2690, 2.8779
YIQ	83.6310, -13.8840, -45.7560

Conversions

Conversions Part 2

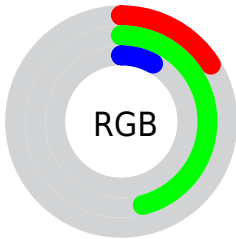
Format	Color
RYB	21, 117, 96
Decimal	2782485
CIELab	43.17, -41.03, 42.43
CIELCh	43, 59.026, 134.036
Yxy	13.2690, 0.3158, 0.5623
Android (android.graphics.Color)	4280972565 (0xFF2A7515)
YUV	83.6310, -30.8771, -36.5104
Hunter-Lab	36.4266, -27.2323, 20.8144

Details

The XYZ color **7.4515, 13.2690, 2.8779** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **8.3039, 4.3081, 17.2243**, and the grayscale version is **8.4147, 8.8529, 9.6409**.

A 20% lighter version of the original color is **20.6143, 31.8272, 11.3601**, and **2.0072, 4.0143, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **7.0352, 13.0646, 2.4181**, and if you desaturate by 10%, it is **8.0043, 13.5388, 3.6086**.

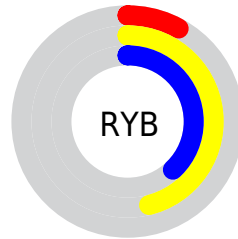
Distribution



Red (16%)

Green (46%)

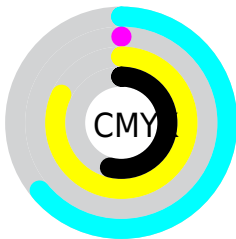
Blue (8%)



Red (8%)

Yellow (46%)

Blue (38%)

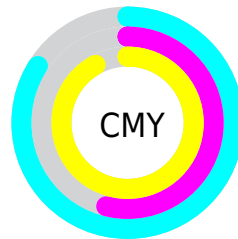


Cyan (64%)

Magenta (0%)

Yellow (82%)

Black (54%)



Cyan (84%)

Magenta (54%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.4515, 13.2690, 2.8779 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 7.4515, 13.2690, 2.8779 by changing the saturation by 10% instead.

7.4515, 13.2690,
2.8779

7.4515, 13.2690,
2.8779

165.8286,
212.6345, 134.7900

3.7949, 7.6140,
1.0326

20.5718, 31.7862,
11.3256

1.5867, 3.8490,
0.0000

30.7661, 45.4173,
18.7652

0.3837, 1.5895,
0.0000

43.8704, 62.4758,
28.9066

0.0000, 0.3505,
0.0000

60.2500, 83.3462,
42.1683


0.0000, 0.0000,
0.0000


80.2703, 108.4129,
58.9690


104.2966,


138.0602, 79.7272


 132.6942,
172.6727, 104.8613


 7.4515, 13.2690,
2.8779


 7.4515, 13.2690,
2.8779


 7.0352, 13.0646,
2.4181


 8.0043, 13.5388,
3.6086

 6.7772, 12.9374,
2.1400

 8.7044, 13.8776,
4.6428

 9.5624, 14.2905,
6.0092

 10.5874, 14.7818,
7.7329

 11.7881, 15.3555,
9.8365

■ 13.1723, 16.0151,
12.3411

■ 14.7476, 16.7640,
15.2657

■ 16.5208, 17.6056,
18.6285

■ 18.4988, 18.5428,
22.4466

Harmonies

Analogous

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



10.6050, 13.2690, 1.2194



7.4515, 13.2690, 2.8779



5.9270, 13.2690, 8.5893

Triad

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



7.4515, 13.2690, 2.8779



10.3533, 13.2690, 54.4615



23.1578, 13.2690, 9.1789

Complementary

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



7.4515, 13.2690, 2.8779



8.3039, 4.3081, 17.2243

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.



23.0436, 13.2690, 22.5016



7.4515, 13.2690, 2.8779



14.8570, 13.2690, 54.9925

Square

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



7.4515, 13.2690, 2.8779



7.3057, 13.2690, 39.8323



19.7307, 13.2690, 41.0178



20.0130, 13.2690, 3.0864

Rectangle

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



7.4515, 13.2690, 2.8779



5.7380, 13.2690, 16.2855



19.7307, 13.2690, 41.0178



23.5192, 13.2690, 12.7536

Sweetspot

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



7.4518, 13.2696, 2.8782



22.6563, 28.2340, 20.3999



11.5284, 11.9493, 2.4085



5.0526, 6.4169, 4.4072



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



7.4518, 13.2696, 2.8782



12.1304, 23.1616, 3.9192



7.1761, 13.0847, 4.7950



3.7087, 4.1333, 3.9446



7.4547, 14.2474, 2.3571



35.7113, 69.1116, 11.4577

Inverse Universe

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



8.3039, 4.3081, 17.2243



13.5575, 6.3742, 30.6528



9.5105, 5.0809, 10.4684



3.7521, 3.7195, 4.6104



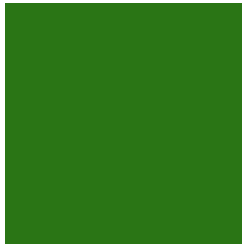
8.3227, 3.8819, 18.8532



39.8087, 18.5306, 91.8389

Previews

White Background



This preview shows how the XYZ color 7.4515, 13.2690, 2.8779 looks on a white background.

Color Contrast Check

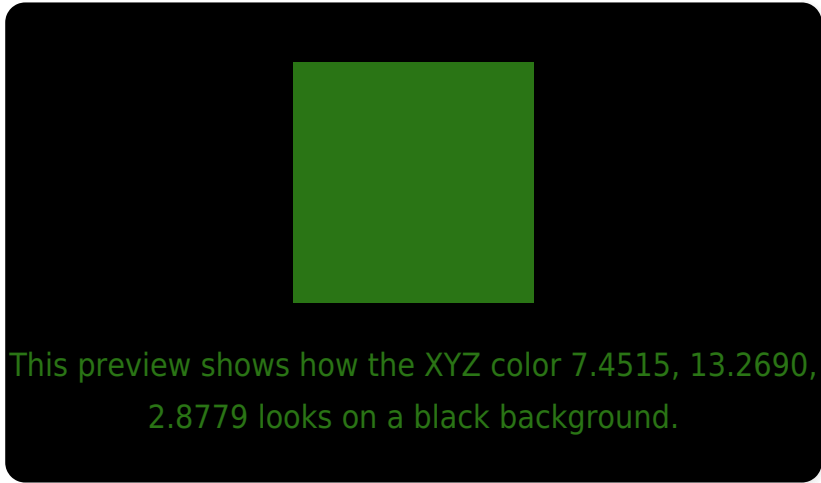
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.4515, 13.2690, 2.8779

Background



This preview shows how black text looks on a background with the XYZ color 7.4515, 13.2690, 2.8779.



This preview shows how white text looks on a background with the XYZ color 7.4515, 13.2690,

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

7.4515, 13.2690, 2.8779

Protanopia

11.7920, 13.1206, 2.4413

Deuteranopia

13.1960, 12.9821, 3.1768



Tritanopia

10.7253, 13.2694, 19.1355

Trichromacy



Original Color

7.4515, 13.2690, 2.8779

Protanomaly

9.3914, 12.6338, 2.5159

Deuteranomaly

9.9838, 12.4713, 2.9796

Tritanomaly

8.9311, 13.0251, 10.2270

Monochromacy



Original Color

7.4515, 13.2690, 2.8779

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.4794, 9.9679, 5.9447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.4515, 13.2690, 2.8779 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(42, 117, 21)` looks like.

```
.text, #text, p{  
    color:rgb(42, 117, 21)  
}
```

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(42, 117, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 117, 21) }
```

Border

The CSS property to change the border of an element to XYZ 7.4515, 13.2690, 2.8779 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(42, 117, 21) }
```


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

```
.border{ border-color:rgb(42, 117, 21) }
```

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

Here you see how a box with a 4 pixel rgb(42, 117, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 117, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 117, 21);  
box-shadow:4px 4px 4px 4px rgb(42, 117,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 7.4515, 13.2690, 2.8779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 117, 21) }
```

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

```
.background{ background-color: rgb(42, 117,  
21) }
```

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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