

Converting Colors

XYZ(7.7946, 13.5139, 2.1976)

Have a look what the booklet for
XYZ(7.7946, 13.5139, 2.1976)
contains.

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Color

**XYZ(7.7775, 13.4526,
2.1867)**

Conversions

Conversions Part 1

Format	Color
Hex	347500
RGB	52, 117, 0
RGB Percent	20%, 46%, 0%
CMY	0.7961, 0.5412, 1.0000
CMYK	0.56, 0.00, 1.00, 0.54
HSL	93°, 100%, 23%
HSV	93°, 100%, 46%
XYZ	7.7775, 13.4526, 2.1867
YIQ	84.2270, -1.1830, -50.1670

Conversions

Conversions Part 2

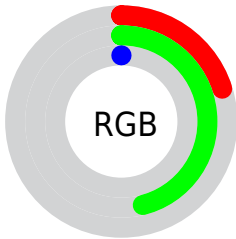
Format	Color
RYB	0, 117, 65
Decimal	3437824
CIELab	43.44, -39.12, 48.11
CIELCh	43, 62.014, 129.116
Yxy	13.4526, 0.3321, 0.5745
Android (android.graphics.Color)	4281627904 (0xFF347500)
YUV	84.2270, -41.5239, -28.2631
Hunter-Lab	36.6778, -26.3353, 22.1396

Details

The XYZ color **7.7775, 13.4526, 2.1867** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.3916, 2.4086, 17.0110**, and the grayscale version is **8.5578, 9.0034, 9.8048**.

A 20% lighter version of the original color is **21.2804, 32.2122, 9.5109**, and **2.0671, 4.1342, 0.6890** is the 20% darker color. If you saturate the color by 10%, you get **7.7776, 13.4531, 2.1868**, and if you desaturate by 10%, it is **8.2004, 13.6635, 2.5436**.

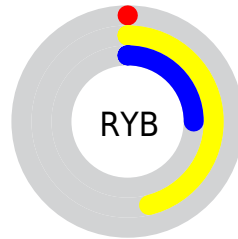
Distribution



Red (20%)

Green (46%)

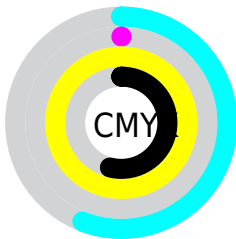
Blue (0%)



Red (0%)

Yellow (46%)

Blue (25%)

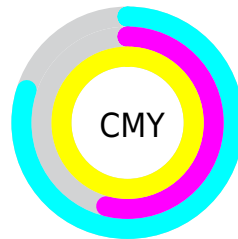


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (80%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.7775, 13.4526, 2.1867 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 7.7775, 13.4526, 2.1867 by changing the saturation by 10% instead.

■ 7.7775, 13.4526,
2.1867

■ 7.7775, 13.4526,
2.1867

168.3841,
213.7983, 125.2116

■ 4.0035, 7.7409,
0.6667

■ 21.2107, 32.1145,
9.5452

■ 1.7041, 3.9296,
0.0000

■ 31.6006, 45.8336,
16.2504

■ 0.4588, 1.6343,
0.0000

■ 44.9266, 62.9906,
25.5308

■ 0.0000, 0.3805,
0.0000

■ 61.5539, 83.9699,
37.8051


■ 0.0000, 0.0000,
0.0000


■ 81.8480, 109.1560,
53.4918


■ 106.1741,


138.9331, 73.0094


 134.8977,
173.6858, 96.7765


 7.7775, 13.4526,
2.1867


 7.7775, 13.4526,
2.1867


 7.7776, 13.4531,
2.1868

 8.2004, 13.6635,
2.5436

 8.7004, 13.9105,
3.0586

 9.3021, 14.2037,
3.8498

 10.0129, 14.5466,
4.9491

 10.8397, 14.9419,
6.3839

■ 11.7884, 15.3923,
8.1786

■ 12.8648, 15.9001,
10.3554

■ 14.0739, 16.4676,
12.9347

■ 15.4208, 17.0969,
15.9353

Harmonies

Analogous

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



11.3710, 13.4526, 0.9551



7.7775, 13.4526, 2.1867



5.9253, 13.4526, 7.0660

Triad

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



7.7775, 13.4526, 2.1867



9.7537, 13.4526, 56.1862



24.3197, 13.4526, 10.8257

Complementary

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



7.7775, 13.4526, 2.1867



5.3916, 2.4086, 17.0110

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.



23.5711, 13.4526, 26.3190



7.7775, 13.4526, 2.1867



14.3144, 13.4526, 59.7156

Square

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



7.7775, 13.4526, 2.1867



6.8505, 13.4526, 38.6438



19.5842, 13.4526, 46.4822



21.4279, 13.4526, 3.4610

Rectangle

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



7.7775, 13.4526, 2.1867



5.5681, 13.4526, 14.2410



19.5842, 13.4526, 46.4822



24.4984, 13.4526, 15.0619

Sweetspot

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



7.7778, 13.4532, 2.1870



22.8772, 28.3965, 18.2128



9.1899, 7.4890, 0.9614



5.1093, 6.4579, 3.8785



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.



7.7778, 13.4532, 2.1870



13.7748, 24.0112, 3.9086



6.3937, 12.7359, 2.2895



3.7808, 4.1705, 3.9480



8.5514, 14.8128, 2.4084



40.7175, 71.6924, 11.6920

Inverse Universe

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



5.3916, 2.4086, 17.0110



9.4965, 4.2314, 30.4532



10.2141, 4.9333, 15.4968



3.6770, 3.6808, 4.6069



5.9219, 2.6442, 18.7408



27.8606, 12.3712, 91.2797

Previews

White Background



This preview shows how the XYZ color 7.7775, 13.4526, 2.1867 looks on a white background.

Color Contrast Check

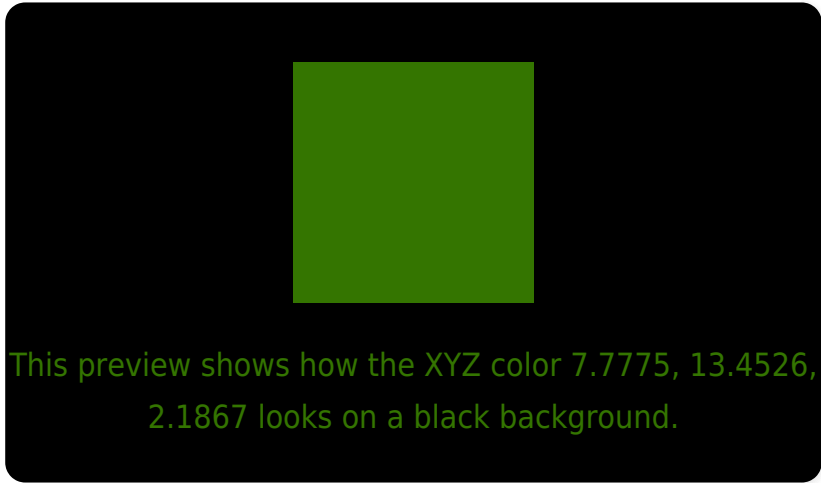
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.7775, 13.4526, 2.1867

Background



This preview shows how black text looks on a background with the XYZ color 7.7775, 13.4526, 2.1867.



This preview shows how white text looks on a background with the XYZ color 7.7775, 13.4526, 2.1867.

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

7.7775, 13.4526, 2.1867

Protanopia

11.9205, 13.3453, 1.9476

Deuteranopia

13.4928, 13.2825, 2.7168



Tritanopia

11.1929, 13.5105, 19.1574

Trichromacy



Original Color

7.7775, 13.4526, 2.1867

Protanomaly

9.7762, 13.0004, 1.9941

Deuteranomaly

10.4034, 12.7018, 2.3553

Tritanomaly

9.1141, 13.1531, 8.7151

Monochromacy



Original Color

7.7775, 13.4526, 2.1867

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.4980, 10.0005, 4.9033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7775, 13.4526, 2.1867 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(52, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(52, 117, 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(52, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 117, 0) }
```

Border

The CSS property to change the border of an element to XYZ 7.7775, 13.4526, 2.1867 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(52, 117, 0) }
```


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

```
.border{ border-color:rgb(52, 117, 0) }
```

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

Here you see how a box with a 4 pixel rgb(52, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(52, 117, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.7775, 13.4526, 2.1867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 117, 0) }
```

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

```
.background{ background-color: rgb(52, 117,  
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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