

Converting Colors

XYZ(13.4447, 13.8688, 2.5986)

Have a look what the booklet for
XYZ(13.4447, 13.8688, 2.5986)
contains.

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Color

**XYZ(13.3754, 13.7900,
2.5729)**

Conversions

Conversions Part 1

Format	Color
Hex	7E6513
RGB	126, 101, 19
RGB Percent	49%, 40%, 7%
CMY	0.5059, 0.6039, 0.9255
CMYK	0.00, 0.20, 0.85, 0.51
HSL	46°, 74%, 28%
HSV	46°, 85%, 49%
XYZ	13.3754, 13.7900, 2.5729
YIQ	99.1270, 41.2220, -20.2020

Conversions

Conversions Part 2

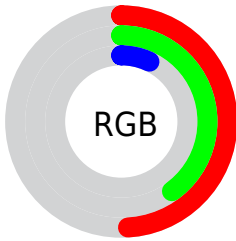
Format	Color
R_{YB}	52, 126, 19
Decimal	8283411
CIE Lab	43.93, 1.75, 45.94
CIE LCh	44, 45.969, 87.816
Yxy	13.7900, 0.4498, 0.4637
Android (android.graphics.Color)	4286473491 (0xFF7E6513)
YUV	99.1270, -39.5026, 23.5676
Hunter-Lab	37.1349, -0.6932, 21.8865

Details

The XYZ color **13.3754, 13.7900, 2.5729** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.9352, 3.4462, 20.1435**, and the grayscale version is **11.9814, 12.6054, 13.7273**.

A 20% lighter version of the original color is **31.6570, 32.8565, 10.6347**, and **4.1138, 4.1488, 0.5840** is the 20% darker color. If you saturate the color by 10%, you get **13.0125, 13.1962, 2.0452**, and if you desaturate by 10%, it is **13.8045, 14.4277, 3.3957**.

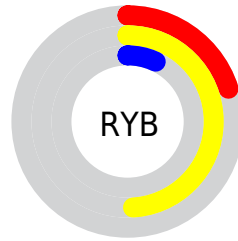
Distribution



Red (49%)

Green (40%)

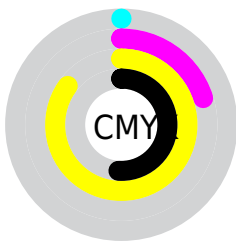
Blue (7%)



Red (20%)

Yellow (49%)

Blue (7%)

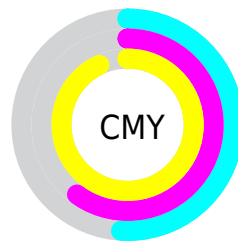


Cyan (0%)

Magenta (20%)

Yellow (85%)

Black (51%)



Cyan (51%)

Magenta (60%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3754, 13.7900, 2.5729 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 13.3754, 13.7900, 2.5729 by changing the saturation by 10% instead.

■ 13.3754, 13.7900,
2.5729

■ 13.3754, 13.7900,
2.5729

206.8991,
215.9205, 130.7198

■ 7.7663, 7.9748,
0.8784

■ 31.5722, 32.7159,
10.5550

■ 3.9963, 4.0788,
0.0000

■ 44.8906, 46.5954,
17.6822

■ 1.7001, 1.7177,
0.0000

■ 61.5095, 63.9318,
27.4582

■ 0.4563, 0.4351,
0.0000

■ 81.7943, 85.1094,
40.3017

■ 0.0000, 0.0000,
0.0000

■ 106.1103,
110.5127, 56.6310

■ 134.8229,

140.5260, 76.8648

■ 168.2973,
175.5338, 101.4215

■ 13.3754, 13.7900,
2.5729

■ 13.3754, 13.7900,
2.5729

■ 13.0125, 13.1962,
2.0452

■ 13.8045, 14.4277,
3.3957

■ 12.8386, 12.9046,
1.8142

■ 14.3089, 15.1116,
4.5657

■ 14.8958, 15.8452,
6.1186

■ 15.5712, 16.6310,
8.0856

■ 16.3406, 17.4715,
10.4945

■ 17.2087, 18.3686,
13.3708

■ 18.1802, 19.3245,
16.7380

■ 19.2594, 20.3409,
20.6180

■ 20.4502, 21.4197,
25.0315

Harmonies

Analogous

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



17.1984, 13.7900, 3.6389



13.3754, 13.7900, 2.5729



10.1054, 13.7900, 3.3501

Triad

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



13.3754, 13.7900, 2.5729



7.8411, 13.7900, 26.4422



19.9659, 13.7900, 28.4180

Complementary

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



13.3754, 13.7900, 2.5729



4.9352, 3.4462, 20.1435

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.



16.6509, 13.7900, 40.6281



13.3754, 13.7900, 2.5729



9.7221, 13.7900, 39.1635

Square

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



13.3754, 13.7900, 2.5729



7.2844, 13.7900, 14.2643



12.8422, 13.7900, 45.2622



21.4164, 13.7900, 15.7915

Rectangle

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



13.3754, 13.7900, 2.5729



8.5756, 13.7900, 5.1779



12.8422, 13.7900, 45.2622



19.0058, 13.7900, 32.8925

Sweetspot

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



13.3757, 13.7907, 2.5732



30.1839, 32.2246, 23.1717



9.3253, 5.0968, 3.0516



6.7628, 7.2251, 4.9248



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.



13.3757, 13.7907, 2.5732



22.4882, 22.4936, 3.1564



12.7514, 17.6354, 3.3482



4.5829, 4.8545, 4.6156



13.1680, 13.2324, 1.8601



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.9352, 3.4462, 20.1435



7.3260, 4.0458, 35.1392



5.1144, 2.5474, 19.9606



4.1841, 4.3622, 5.4347



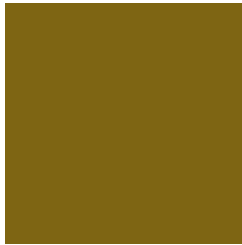
4.3223, 2.4631, 20.4976



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3754, 13.7900, 2.5729 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



This preview shows how the XYZ color 13.3754, 13.7900, 2.5729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

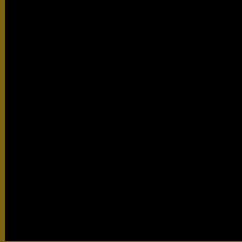
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3754, 13.7900, 2.5729

Background



This preview shows how black text looks on a background with the XYZ color 13.3754, 13.7900, 2.5729.



This preview shows how white text looks on a background with the XYZ color 13.3754, 13.7900,

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

13.3754, 13.7900, 2.5729

Protanopia

12.4127, 13.7330, 2.6583

Deuteranopia

13.9482, 13.7995, 2.5902



Tritanopia

15.7117, 13.7703, 14.1418

Trichromacy



Original Color

13.3754, 13.7900, 2.5729

Protanomaly

12.7222, 13.7441, 2.6442

Deuteranomaly

13.7367, 13.8320, 2.6077

Tritanomaly

14.4653, 13.6714, 7.8377

Monochromacy



Original Color

13.3754, 13.7900, 2.5729

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9693, 12.8077, 7.6356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3754, 13.7900, 2.5729 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(126, 101, 19)` looks like.

```
.text, #text, p{  
    color:rgb(126, 101, 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(126, 101, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 101, 19) }
```

Border

The CSS property to change the border of an element to XYZ 13.3754, 13.7900, 2.5729 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(126, 101, 19) }
```


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

```
.border{ border-color:rgb(126, 101, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 101, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 101, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 101, 19);  
box-shadow:4px 4px 4px 4px rgb(126, 101,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3754, 13.7900, 2.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 101, 19) }
```

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

```
.background{ background-color: rgb(126,  
101, 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](#).

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