

Converting Colors

XYZ(13.4024, 13.4919, 2.8688)

Have a look what the booklet for
XYZ(13.4024, 13.4919, 2.8688)
contains.

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Color

**XYZ(13.4007, 13.5103,
2.8787)**

Conversions

Conversions Part 1

Format	Color
Hex	7F631A
RGB	127, 99, 26
RGB Percent	50%, 39%, 10%
CMY	0.5020, 0.6118, 0.8980
CMYK	0.00, 0.22, 0.80, 0.50
HSL	43°, 66%, 30%
HSV	43°, 80%, 50%
XYZ	13.4007, 13.5103, 2.8787
YIQ	99.0500, 40.1210, -16.7670

Conversions

Conversions Part 2

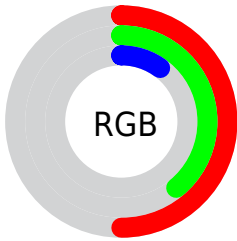
Format	Color
R_{YB}	65, 127, 26
Decimal	8348442
CIE Lab	43.52, 3.67, 43.04
CIE LCh	44, 43.200, 85.122
Yxy	13.5103, 0.4498, 0.4535
Android (android.graphics.Color)	4286538522 (0xFF7F631A)
YUV	99.0500, -36.0136, 24.5122
Hunter-Lab	36.7564, 0.7542, 21.0860

Details

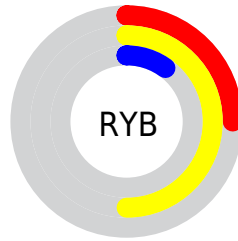
The XYZ color **13.4007, 13.5103, 2.8787** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.5759, 4.3901, 20.6320**, and the grayscale version is **11.9535, 12.5760, 13.6953**.

A 20% lighter version of the original color is **31.5804, 32.0840, 11.3658**, and **4.0971, 4.0021, 0.5565** is the 20% darker color. If you saturate the color by 10%, you get **12.9628, 12.8136, 2.1811**, and if you desaturate by 10%, it is **13.9167, 14.2626, 3.9131**.

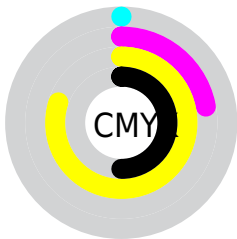
Distribution



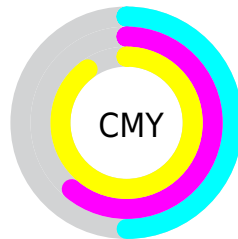
- Red (50%)
- Green (39%)
- Blue (10%)



- Red (25%)
- Yellow (50%)
- Blue (10%)



- Cyan (0%)
- Magenta (22%)
- Yellow (80%)
- Black (50%)



- Cyan (50%)
- Magenta (61%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4007, 13.5103, 2.8787 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 13.4007, 13.5103, 2.8787 by changing the saturation by 10% instead.

■ 13.4007, 13.5103,
2.8787

■ 13.4007, 13.5103,
2.8787

207.0561,
214.1627, 134.8004

■ 7.7839, 7.7809,
1.0330

■ 31.6170, 32.2176,
11.3276

■ 4.0076, 3.9551,
0.0000

■ 44.9473, 45.9642,
18.7680

■ 1.7065, 1.6485,
0.0000

■ 61.5795, 63.1520,
28.9103

■ 0.4603, 0.3899,
0.0000

■ 81.8789, 84.1654,
42.1731

■ 0.0000, 0.0000,
0.0000

■ 106.2109,
109.3888, 58.9750

■ 134.9409,

139.2065, 79.7345

168.4341,
174.0030, 104.8701

13.4007, 13.5103,
2.8787

13.4007, 13.5103,
2.8787

12.9628, 12.8136,
2.1811

13.9167, 14.2626,
3.9131

12.5796, 12.1612,
1.7016

14.5174, 15.0718,
5.3226

12.5618, 12.1310,
1.6794

15.2097, 15.9415,
7.1411

15.9995, 16.8743,
9.3983

16.8921, 17.8726,
12.1215

■ 17.8923, 18.9385,
15.3354

■ 19.0046, 20.0743,
19.0631

■ 20.2334, 21.2818,
23.3263

■ 21.5826, 22.5630,
28.1453

Harmonies

Analogous

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



16.9190, 13.5103, 4.1275



13.4007, 13.5103, 2.8787



10.2795, 13.5103, 3.4867

Triad

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



13.4007, 13.5103, 2.8787



7.8180, 13.5103, 24.0906



18.9314, 13.5103, 28.0958

Complementary

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



13.4007, 13.5103, 2.8787



5.5759, 4.3901, 20.6320

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.



15.7965, 13.5103, 38.7554



13.4007, 13.5103, 2.8787



9.4776, 13.5103, 35.8192

Square

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



13.4007, 13.5103, 2.8787



7.4017, 13.5103, 13.1865



12.2974, 13.5103, 42.0692



20.4492, 13.5103, 16.3475

Rectangle

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



13.4007, 13.5103, 2.8787



8.7713, 13.5103, 5.1103



12.2974, 13.5103, 42.0692



18.0078, 13.5103, 32.0974

Sweetspot

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



13.4010, 13.5110, 2.8790



31.1128, 32.9362, 24.4460



9.8022, 5.5231, 4.1160



7.1595, 7.5772, 5.3251



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.4010, 13.5110, 2.8790



22.6910, 22.0424, 3.2966



13.6152, 18.2636, 3.7850



4.5677, 4.8242, 4.6105



12.6679, 12.2322, 1.6934



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.5759, 4.3901, 20.6320



8.1889, 5.2477, 36.5376



5.4137, 2.8968, 20.3524



4.1984, 4.3908, 5.4395



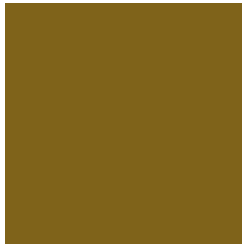
4.4746, 2.7677, 20.5483



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4007, 13.5103, 2.8787 looks on a white background.

Color Contrast Check

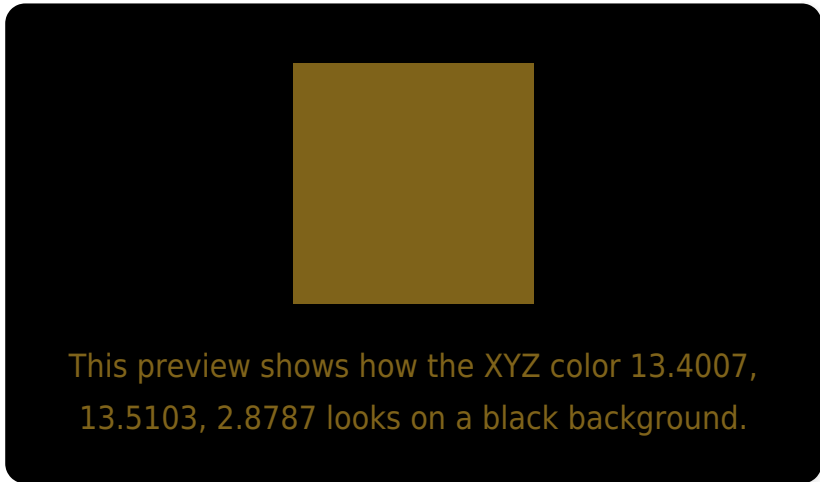
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4007, 13.5103, 2.8787

Background



This preview shows how black text looks on a background with the XYZ color 13.4007, 13.5103, 2.8787.



This preview shows how white text looks on a background with the XYZ color 13.4007, 13.5103,

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

13.4007, 13.5103, 2.8787

Protanopia

12.2505, 13.4926, 2.9956

Deuteranopia

13.7714, 13.5603, 2.9285



Tritanopia

15.5950, 13.4607, 13.5806

Trichromacy



Original Color

13.4007, 13.5103, 2.8787

Protanomaly

12.6949, 13.5749, 2.9880

Deuteranomaly

13.6188, 13.4816, 2.9213

Tritanomaly

14.4678, 13.3981, 7.9545

Monochromacy



Original Color

13.4007, 13.5103, 2.8787

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9382, 12.6428, 7.9420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4007, 13.5103, 2.8787 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(127, 99, 26)` looks like.

```
.text, #text, p{  
    color:rgb(127, 99, 26)  
}
```

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(127, 99, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 99, 26) }
```

Border

The CSS property to change the border of an element to XYZ 13.4007, 13.5103, 2.8787 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(127, 99, 26) }
```


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

```
.border{ border-color:rgb(127, 99, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 99, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 99, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 99, 26);  
box-shadow:4px 4px 4px 4px rgb(127, 99,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4007, 13.5103, 2.8787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 99, 26) }
```

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

```
.background{ background-color: rgb(127, 99,  
26) }
```

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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